Michael Brannigan: "Full-Ecosystem" Architect

Seeking remote coding with an on-site ramp-up in San Francisco, Los Angeles or Portland.
If you are a recruiter, please email me first with req and C2C rate.

Preferred Technologies/Spaces:	Preferred Toolchain/Architectural components:
Database: PostgreSQL and derivatives.	Mocha or similar
Application: NodeJS, Express	AWS or Azure
UI: SCSS/SASS, Bootstrap, VueJS or Vanilla	VMWare ESXi or Citrix XenServer/XCP
Mobile: Google Flutter (preferred) or Apache Cordova	Git or Perforce
Cloud: AWS, Azure + DevOps	Slack / Hangouts / Discord / IRC
Infra: Docker + Docker Compose, Ansible, VMWare, Xen	Centos or Ubuntu Server or derivatives

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Hello and thank you for viewing my CV!

I am a seasoned PGSQL + Nodejs "fullstack", Mobile and Web technology developer, best able to act in a firefighting role to meet very aggressive deadlines. I speak DevOps, and while I prefer Ansible, I also have experience with Azure DevOps CI/CD, Chef/Puppet and Jenkins CI development.

I am comfortable in front, mobile, middle, or data tiers, and can usually jump in, create a fix, and jump back to task without drama. **Clients who work well with me are those who appreciate a developer who doesn't get "blocked" by problems and will power through challenges.**

I wish to stay within NodeJS and PostgreSQL stack, but can branch out. I am also excited by large-scale Automation of infrastructure and hybrid-cloud architectures. I enjoy ESXi or Xen and Ansible on-prem paired with a cloud provider for traffic spikes. My SQL/DBA background sees me working well with large Datalake / Dataset / Migration jobs to transform data for ML ingestion, and I seem well suited and quickly productive in these roles.

Thank you again, and good luck on your placement. Please reach out if I can be of assistance to you or your client.

Mike Brannigan, July 1, 2020

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J. Michael Brannigan

NodeJS, PGSQL, UI and Mobile Technology coder with a superb interpersonal demeanor.
Can-do Attitude, Can-do Aptitude.

77 Pleasant St.
San Francisco, CA 94108
MB2020@msxpert.com

Expertise: Hands-on Developer/Architect with 20+ years technical management experience, 18+ years increasingly sophisticated Web technologies, including NodeJS, Express, Ansible, ESXi, postgreSQL, WebSockets , jQuery, backbone, HTML5, CSS3, Compass/SASS, Android, MongoDB and Objective C. Very comfortable with REST, JSON, AJAX, Crypto, and DevOps. Broad legacy experience spanning a lengthy, successful, and consistent career on web, mobile, and cloud.

Profile: I am a friendly, solutions-minded, entrepreneurial "Node fullstack" web/mobile coder who is DevOps aware. I strive to earn respect, both personally and technically, from those who I manage and interact with, and my management style is firm, fair, and empathetic. I wish to work in the Node ecosystem and refine my work on infrastructure, automated cloud provisioning and sizing, and postgreSQL. I am no longer seeking hands-on work in Java, Objective C or Android, ASP, PHP or SQL/DBA, but can do work in that space.

Relevant Career Experience (contracts and employment > 3 months in duration; others omitted)

LaVid Technologies
Aug '16—Present

Limited by NDA, but can discuss tech in-depth.

www.mylavid.com

Technical Co-Founder/CTO (remote, Phoenix)
- From-scratch development of web app, mobile app, server stack, and back-end system for creating alternate credit profiles using phone telematics data. Product is designed to operate within and disrupt the short-term loan and payday lending spaces.
- Used NodeJS, PostgreSQL, Express, Argon2di, and Cordova for rapid prototyping.
- Created a "hybrid cloud" infrastructure with on-prem XenServer data and coordination/discovery, and burst capabilities to AWS, Azure, and Google Cloud.
- Created data mining algorithms in Jupyter, R, and using custom in-house tools.

Little Caesars/Microsoft
Mar '20—Jun '20

www.littlecaesars.com

Azure DevOps/ML Engineer (remote, Seattle)
- Developed a PAAS application to forecast "Hot n Ready" pizza sales across 3,500 store locations globally.
- Used Azure ML to fit a model using sales, weather and events data. Used Azure DevOps to manage 3 swim lanes for CI/CD and automated tests.
- Integrated with legacy Kafka data and a JSON-based datalake using NodeJS and C# on Azure Functions.

Palmetto Solar
Apr '19—Nov '19

www.palmetto.com

NodeJS Engineer (remote, Los Angeles)
- Converted a legacy PHP application to a modern microservice NodeJS application using Express and OData-style API framework.
- Leveraged the new architecture to support integration with 3rd party data services like Genability and Energy providers; Allowed addition of 4 different Mobile Apps to support field, sales, maintenance, and end-user requirements.
- Added automated testing and CI/CD to ensure forward-looking code quality.

GlobalCare Analytics
Jan '19—Nov '19

www.globalcareanalytics.com

Databricks Engineer (remote, Los Angeles)
- Responsible for ingesting EDI 835/837 Medical Data for ML training. Write python/numpy code to train, fit, validate, and test models before implementation.
- Sought to improve patient outcomes by detecting patterns of morbidity and discover new early indicators for medical intervention.
- Exceeded HIPAA compliance and treated all data with the highest care while at rest or in transit.

Expensify
Feb '18—Jun '18

www.expensify.com

Software Engineer (on-site, Portland)
- "Engineer at Large" within a flat management company; encouraged to travel the stack. I worked on two mobile apps, the custom C++/SQLite implementation, the Devops scripting, dashboarding, and tools, plus the PHP/React/JSX code supporting the Expensify app, backoffice, and data systems.
- Worked on scale-out initiative ("Project 10X") to prepare for a Media blitz and Superbowl commercial.
- Continuously closed bugs and supported new features throughout the stack, apps, and toolchain.

Sony PlayStation
Jun'15—Jul '16

www.playstation.com

Sr. UI Architect (on-site and remote, Los Angeles)
- Javascript developer in support of PlayStation Vue streaming video network.
- Created new UI tools based on jQuery, AngularJS, HTML5, CSS3
- Converted legacy code from extJS, jQuery 1.7, and prototype.js. Created a highly performant IP Geolocator in nodeJS for PlayStation Network using MaxMind data.
- Interfaced with J2EE code, Oracle PL/SQL procedures, AWS Hosting
- Coded proof of concept for ReactJS re-architecture

Pala Interactive
Dec '12 – Jun'15

Private URL/Alpha

Web & Mobile Architect/Dev Lead (remote, Los Angeles)
- Created from-scratch web and mobile solutions for an internet gaming system in anticipation of legalized poker in California. (Wright, AB 1463).
- Used HTML5, CSS3, jQuery, jQuery UI, jQuery Mobile, Socket.io, Mustache.js, Backbone.js for a one-code solution to support Mobile gaming seamlessly.
- Implemented RFC6455 protocol server in C#, with scalability > 2MM+ transactions/sec.
- Created JS library to do binary encoding within WebSockets, reducing net use by 85%

Cornerstone OnDemand
Jul '12 – Dec '12

m.csod.com

Development Lead: Mobile Team (on-site, Los Angeles)
- Worked on in-house mobile app for iOS using Sencha 2, extjs 4, Apache Cordova
- Implemented testflight.app for in-house beta testing and exception tracking.
- Consumed Web services using REST and XML. Managed Azure CDN.

Trailer Park
Feb '12 – Aug '12

mayhem.cbssports.com
> 550,000+ uniques in 1 week

www.nick.com/tmnt-mobile
> 250,000 uniques in 3 days

Freelance jQuery Mobile / REST / UI Architect (on-site, Los Angeles)
- Worked on the CBS Sports NCAA March Madness bracket mobile application
- Consumed Web services using REST and XML. App hosted in Azure CDN.
- Used MVC, Compass/Sass, HTML5, CSS3, jQuery and jQuery Mobile.
- Sole Developer for Teenage Mutant Ninja Turtles product launch for Nickelodeon at Comic Con 2012 (concurrent with CSOD above).
- Used backbone.js, HTML5, CSS3, Localstorage, and REST for a device-independent experience on iOS, Android, WMP9, and even Blackberry.

Eastman-Kodak
June '11 – Feb '12;
Apr '12 – Present

www.kodakgallery.com
kodakgallery.com/mobile
> 1.6MM downloads. 4+ stars

jQuery / REST / UI Architect; Android + iOS Dev (remote, San Francisco)
- Member of a small "skunkworks" team within Kodak, working on www.kodakgallery.com as well as iOS app and android app. 100% hands-on coder.
- Consumed Web services using REST and JSON. Supported iPhone, iPad, Numerous Android handsets and tablets, Kindle Fire, and Desktop Web Browsers from IE6+
- Member of Agile workflow using SCRUM, JIRA+Greenhopper, Confluence, Perforce, Cruisecontrol, Testflight, and local Apache/ATG/MySQL.
- Used MVC Architectural Patterns, Compass/Sass, HTML5, jQuery and jQuery Mobile.

Qualcomm, Inc.
September '10 –May '11

jQuery / REST / UI Architect / Development Lead (remote, San Diego)
- Led the effort to code an App Store for a new line of cellular phones on the new Qualcomm BrewMP platform. Responsible for a team of nine. 80% Hands-on coder.
- Wrote javascript to consume REST-based JSON data from a Springsource/TC Server.
- Matched a supremely aggressive deadline, culminating in 3 major product releases (1.0, 1.1, 2.0) in 7 months. Averaged 54 hours per week for 7 months.
- Integrated Perforce, Hudson, and JIRA into a tight-knit development environment.

The Feldman Law Firm
April '10 –August '10

Freelance Android/Java Developer (remote, Philadelphia)
- Hired to code an "Android App Factory" for a large, tech-savvy law firm. Tools used included Eclipse/Java, the Google Android SDK, the ADT plugin, ddms and adb.
- Developed the app template/prototype by hand using XML, Java, and making extensive use of WebView, and dealing with unique challenges inherent in Android layout including AbsoluteLayout, FrameLayout, LinearLayout and RelativeLayout
- Interfaced with a number of standard Android widgets, including the dialer, the Gmail application, the XML parser, and the Android resource database.

Comcast
September '09 –March '10

www.g4tv.com
www.eonline.com
www.fearnet.com
www.thegolfchannel.com
www.mystyle.com

Freelance C# / jQuery Developer (on-site, Los Angeles)
- Hired to code jQuery, CSS, C# .NET and Social Media integration for Comcast's major cable properties: Style Network, E! Online, G4, Fear Net, and the Golf Channel.
- Integrated a fanbase of appx 800,000 unique viewers with numerous web outlets, including Facebook/FBConnect, Twitter, Gamefly, Netflix, and Amazon
- Integrated jQuery and AJAX for the entire site, allowing better page load, and a more vivid experience for high-bandwidth visitors.

TeamOne Advertising
July '06 – March '09

www.lexus.com
www.flexjet.com
www.airnz.com

Freelance DHTML/Interwoven Developer (on-site, Los Angeles)
- Hired freelance to assist in the construction of new www.lexus.com site.
- Wrote cross-browser compatible DHTML, HTML, XML to manage static content, streaming media assets, arbitrary browser sizings, and other creative challenges. Maintained the site's reputation for an excellent user experience.
- Primary author and maintainer of heavy Interwoven TeamSite template scripts, workflows, and perl logic assemblies to handle complex site templating. Work included architecture of DCRs to improve maintainability, efficiency, and site consistency.
- Primary author of javascript/AJAX libraries used to manage site data, tracking information, and presentation of video, 3D car views, photos, and specifications.
- Migrate all internal apps from SQL 2k/Win2k to SQL 2k5/Win2k3

MSXpert, Inc.
January '05 – Present

www.royalorder.com
www.ichangenetwork.com
www.kitschnglam.com
www.bugmusic.com

Principal Developer (on-site, remote, numerous)
- My freelance practice. Currently an LLC
- Managed a small and focused group of 4 developers coding PHP, PostgreSQL, ASP.NET, SQL Server 2005
- Responsible for development and budget deadlines.
- Coded and enforced design requirements.
- Wrote Data utilities to manage inventory control, pricing, and sales data.

Additional Career Details

Fly Corona, Inc.
June '05 – September '15

www.flycorona.com
www.wingfleet.com
www.wptmaint.com
www.wactac.com

General Manager / COO (Los Angeles)
- Own and operate a FBO, Fuel provider, Flight Training academy, maintenance operation, fractional timeshare, and aircraft sales corporation.
- Annual operating budget exceeding $3.2MM, Staff of 47 (as of October 2011)
- 100% Autonomous and does not interfere with my daily responsibilities. We have injected high-technology into a very old-tech world, to great success.
- 6-year average 28% growth rate.

Warner Bros.
February '04 – December '04

Freelance SAP / Oracle 9i ETL Developer (Los Angeles)
- Acted as Support DBA on MSSQL 2000.
- Developed a web-based training facility for the AOL Time Warner SAP Common Financials Initiative.
- Web Application incorporated complicated financials and HR data from 520+ tables, custom courseware, SAP Simulations using OnDemand presentations, ad-hoc CBT and reference materials using ASP on IIS 4.0.
- Analyzed, tuned, and recommended Database changes for improved performance.

SmartPro3
June '03 – February '04

Freelance PHP Architect/MySQL DBA (San Diego)

- Acted as DBA on MySQL 4.0.12
- Developed a complex multi-user data-management site using PHP on Apache 1.3, to align state educational standards in a central repository
- Built site from scratch using minimal verbal specifications

TeamOne Advertising
April '03 – June '03

www.lexus.com

Freelance DHTML/Interwoven Developer (Los Angeles)

Same as above 2006 assignment for TeamOne/Lexus.

The Ecco Group
October '02 – April '03

Freelance MSSQL DBA (Los Angeles)

- Acted as DBA on MS SQL Server 2000
- Developed tools to manage 8-node federated SQL cluster to increase db throughput by 533% on large databases (>100GB) and 400% on small ones (<100GB)
- Wrote benchmarking applications to transition my existing VB/C skills to VB.NET / C#.NET

Vivendi Universal

August '01 – October '02

www.classworks.com
www.classwell.com
www.education.com

Freelance Java/XML Programmer/Architect (Los Angeles)

- Developed a cross-platform classroom training and information aggregation platform for K-12 schools based on the emerging Mozilla project, while acting in the role of programmer/architect.
- Participated in the open-source development of emerging standards, including XML User Interface Language (XUL), Cascading Style Sheets v2 (CSS2), Document Object Model v2 (DOM2), and RDF
- Performed extensive development using Java, Javascript, XPCOM, XML, and SQL.
- Integrated elements such as SOAP, Java, JDBC, Tomcat, MSSQL, and clients on Win32, MacOS, and Linux.
- Acted as MS SQL Server 2000 DBA and Developer. Created and enforced DRI standards, installation scripts, maintained LOV tables, constructed and maintained schema documentation and implementation.
- Submitted enhancement requests to grow the emerging XUL language in the Netscape/Mozilla developer community.

Vivendi Universal

Freelance Saleslogix CRM MSSQL DBA (Los Angeles)

- Implemented a sales and support CRM system based on Saleslogix 5.2 and MS SQL Server 2000.
- Took detailed specifications from IT, sales, and support personnel, and prepared prioritized implementation goals to work within a tight budget.
- Installed and debugged a Cold Fusion-based web interface for same.

Instream Technology
July '00 – August '01

www.annuityscout.com
www.advisorzone.com

Sr. Director of Technology (Los Angeles)

- Architected, built, and deployed an electronic order entry system for complex financial instruments (Variable Annuities, Fixed Annuities, Whole Life, Variable Life, P&C)
- Ported legacy CRM system from Centura to Visual Basic on Oracle 8i
- Ported legacy policy administration system from Centura to Visual Basic on Oracle 8i
- Developed web applications using ASP, PL/SQL, T-SQL, ADO, WSC, HTML, Javascript, DHTML, Flash, Visual Basic, C++ where appropriate
- Developed in-house data mining applications using VB6 and Crystal Reports

Team One Advertising Div. of Saatchi & Saatchi
April '99 – June '00

URLs:
www.lexus.com
www.insidelexus.com
www.radicalcontest.com
www.teamoneadv.com
www.lexussafety.com
www.airnz.com
www.elsegundo.org
www.lexusis.com
www.isthistoyota.com

Technical Director, Interactive Department (Los Angeles)

- Lead the development of award winning multimedia-rich Web sites that deliver Flash, Shockwave, e-commerce tools, and extensive legacy database integration
- Architected the Lexus.com site's expansion to 6 fully redundant servers, with managed load balancing, and first-tier datacenter providing monitored connectivity
- Built out "Build Your Lexus" e-commerce portal. Used legacy integration to achieve near-time inventory and dealer locator services.
- Worked to build an expert staff of Web engineers, server infrastructure, and required tools to build and service Web sites for our clients
- Monitored P/L; staff training, outsourcing, and equipment budgets
- Developed in ASP, SQL, Perl, HTML, Javascript, DHTML, Flash, VB, COM/DCOM
- ActiveX integration with CDO, ADO, Office Automation, Custom Controls
- Administration of IIS 4, NT Server 4.0, Cisco and F5 Networks gear
- Acted as SQL Server DBA (6.5/7.0), including Data modeling, ETL, Troubleshooting

US Interactive, Inc
March '98 – April '99

URLs:
www.pioneerdirect.com
www.starbrightworld.org
www.unum.com
www.toyota.com
www.lexus.com
www.click2send.com
www.starlight.org

Software Engineer (Los Angeles)

- Oversight and development of clients' Web sites, including Toyota, Unum, Starbright world, Pioneer, and Lexus
- Led a development team of 5 developers
- Extensive client contact, working to define and present scope/overviews and technical specifications for Web development projects from inception through launch
- NT administration; web architecture; site scalability
- Multimedia site building with Flash, Shockwave, DHTML, CSS, Java, custom plug-ins
- Hands-on programming and DBA work in ASP, VB, SQL 6.0/6.5, HTML, Javascript, COM
- UML methodologies and systems analysis/architecture

Blizzard Entertainment, Inc.
October '96 – January '98

URLs:
(Blocked by firewall,
Source available on request)

Quality Assurance Manager (Irvine)

- Responsible for a QA department of over 40 staff members, including test engineers, programmers, and hardware technicians. Published Warcraft, Starcraft, and Diablo AA-title Games.
- Worked to shift the company's test reporting/tracking system to a corporate Intranet, using ASP, ODBC, and IIS / SQL Server 6.5, enabling QA and Development to better communicate and work together
- Created internal processes needed to efficiently dispatch extensive testing of multiple projects
- Trained test engineers; provided mentoring, organization, and leadership

XXCAL, Inc.

July '95 - September '96

QA Project Manager (Los Angeles)
Head of Automated Testing

- Utilized VB/C++/ASM programming, to develop advanced forms of QA, such as automated testing and programmatic QA
- Rational's Visual Test scripting and design

Education:
July '90 - June '92

University of California, Riverside

- BS/Computer Science Program; not completed

JMB Consulting
Since 1988

Consultant
- Performed full lifecycle development, including requirements gathering, specifications, development, testing and support. Examples of client projects/engagements include:
- Southern California Edison, Audiovox, Twinlab, OCLC, Exaide, Pronounced Technologies, Sponsorwise, CouponSquare, DYJ, Inc, ThetaSQL Systems, Jimmy's Tavern
- Practice merged into MSXpert, Inc. in 2005.