

JASON GRAVES

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Summary

Highly skilled full stack web developer with over 10 years of IT management experience. Proficient in HTML/CSS/JavaScript with expertise in microservices and microfrontends. Proven track record of successful software architecture, mentoring, and design. Strong understanding of cross browser responsive DHTML/CSS. Experienced UX designer and architect using Figma and Pencil.

Github: <https://github.com/godlikemouse>

LinkedIn: <https://linkedin.com/in/godlikemouse>

Professional Experience

Coveware, Westport CT

May 2023 - Current

Senior Software Engineer

- Angular development and web optimizations.
- Architecture, development and implementation of AI systems.
- Python, C++, JavaScript, TypeScript, YAML, Material, Angular, Bash, AWS, Lambda, Terraform.

Datto, Norwalk, CT

March 2021- Jan 2023

Principal Engineer

- Established technology roadmap for migration to microservices and microfrontends.
- Architected and implemented complex custom Slack and Microsoft Teams bots to optimize deployment strategies across the company.
- Led teams in software architecture, best practices, mentoring and design.
- Migrated to legacy systems microservices and introduced a new micro-frontend technology stack.
- Refactored and optimized CI/CD deployment pipelines to increase deployment implementation and efficiencies.
- Implemented Akamai CDN/WAF.
- Technologies used: JavaScript, TypeScript, NPM, Node, React, Bootstrap, PHP, Symfony, Single-SPA, Material, Rust, Python, RabbitMQ, Bash, Go.

Novi Labs, Austin, TX

July 2019 - March 2021

Senior Software Engineer

- JavaScript, NPM, Nod316 W 12 Ste, React, Redux, Stylus, Lambda, Serverless, Material-UI.
- Software development, UI implementation and design.
- Backend microservices development in Java and JavaScript/Node.

HOPZERO, Austin, TX

Sep 2018-July 2019

Senior Software Architect

- Go, Revel, jQuery, Vue.js, OpenLayers, HighCharts, HighStock.
- Software architecture, UI/UX design and development, back end design and architecture.

Packet Design, Santa Clara, CA

Oct 2013-Sep 2018

Distinguished Engineer

- Go, C/C++, MeteorJS, Linux, Windows, Mac, JavaScript, AJAX, DHTML, Java, Redis, MySQL, PHP, Zend Framework, NodeJS, Zenhance framework, CSS, JQuery, SOAP, XML, Webservices, REST, Bootstrap.
- Hired to architect next generation web solutions of Packet Design products with a focus on displaying interactive network topologies online and responsive solutions.
- Responsibilities included architecture and development of new solutions framework, management, mentoring, directing, coding, scheduling and best practices.

iQ Technologies, Gig Harbor, WA

Mar 2010-Oct 2013

Chief Technical Officer

- C/C++, Linux, Windows, Mac, JavaScript, Node, Nodejs, AJAX, DHTML, Java, MySQL, PHP, Zend Framework, Rabbit-MQ, Python, XHTML, CSS, JQuery, Solr, SOAP, XML, REST, Webservices, Amazon Cloud.
- IT development team management, coordination and architecture.
- Hired to architect and construct a high availability infinitely scalable social platform utilizing Amazon's Cloud.
- Responsibilities included architecture and development of high availability infrastructure, management, mentoring, directing, coding, scheduling and best practices.

NetQoS, Austin, TX

Oct 2005-Mar 2010

Senior Software Technologist

- C/C++, Linux, Windows, Mac, JavaScript, AJAX, DHTML, C#, ASP .Net, Java, Struts, J2EE, Custom Taglibs, MySQL, PHP, Screenweaver, Flash, Haxe, FLV, and more.
- IT development team management and coordination.
- Research and development of software and hardware technologies for current and future products.
- Low level C/C++ development for proprietary network technology.
- ASP .Net application architecture and development for web. GUI enhancements using AJAX and DHTML. Web 2.0 GUI architecture and development. XHTML conformance and transformation for FOP Adobe PostScript printing. Jakarta Struts, Taglib and SOQL development for a custom portal.
- GUI redesigns for current and future NetQoS products.
- Technology research and implementation for rich web and installed applications.
- Custom DHTML driven .Net component development.
- Full feature DHTML, AJAX, JavaScript custom web applications. ASP .Net application architecture and development for web. GUI enhancements using AJAX and DHTML. XHTML conformance and transformation for FOP Adobe PostScript printing. Jakarta Struts, Taglib and SOQL development for a custom portal.
- GUI redesigns for current and future NetQoS products.
- Technology research and implementation for rich web and installed applications.
- Custom Dhtml driven .Net component development.
- Full feature Dhtml, AJAX, JavaScript custom web applications.

InfoReliance, Fairfax, VA

Aug 2004-Aug 2005

Consultant IV (Lead developer/Architect)

- JavaScript, DHTML, C#, ASP .Net, C/C++, Oracle 10g/9i, J2EE, JSF, LDAP, Oracle Internet Directory and SQL Server development on military contracts.
- Management of IT development team for individual customer projects.
- J2EE architecture and development with EJB, JavaServer Faces, Gentoo linux, Redhat linux and Oracle 10g on a financial contract for the White House. Oracle was setup and administered on Redhat linux. Utilized the following EJB container/Web servers: WebSphere, Tomcat, OpenEJB, SunOne.
- ASP. Net, C# global security management system and remoting API for the security management of all InfoReliance applications with optional LDAP/Active Directory management/Oracle Internet Directory.

Robbins Gioia, Alexandria, VA

Aug 2002-Aug 2004

Senior Software Architect

- Hired to develop next generation project management and collaboration software for the world's largest project management company.
- Managed a small IT team toward the development of the next generation portal.
- Assisted in the choice of development platform and methodologies implemented.
- Developed custom portal system in .NET currently on display at <http://www.pmboulevard.com>. Custom portal allows the dragging and dropping of portal controls from one location to another. Full site administration through a cross platform DHTML interface.
- Developed web controls, custom controls, flash controls, flash movies and multiple .NET applications.
- Technologies used include, ASP, JSP, J2EE, EJB, JavaScript, C#, Java, VB, VBScript, .NET platform development, COM and ATL.

CITI, Arlington, VA

Jan 2002- Aug 2002

Lead Developer / Architect / Project Manager

- Hired to perform maintenance development and project management of the Department of State Crisis Management System.
- Performed guidance in system architecture and development of client server and internet/intranet applications.
- Developed custom server controls in .Net for various functions.
- Technologies used include, ASP, ASP .Net, VB, VB .Net, C#, C++, MFC, ATL, COM+, XML, XSL, Java and Oracle.

Property ID, Los Angeles, CA

Mar 2001-Oct 2001

Lead Developer / Architect / IT Manager

Contract

- Contracted to implement custom java client for system automation, Swing, RMI, JDBC, SQL Server 7.0.
- Re-architecture and rewrite of java client into a Windows DNA Modeled custom reporting tool, complete company automation, ASP, COM, COM+, DCOM, HTML, MTS, DHTML, XML, Javascript, SQL Server 7.0, with custom XML markup, Xerox VIPP (XGFC), C Shell, BASH, Solaris OpenWin, Unix, Windows, Visual Basic, Visual C++, Access 2000, Excel 2000, IIS.
- Management of large IT and development teams.

Jason Graves

- Responsible for deploying custom software across a large enterprise environment, architecture, code stability, project management, business logic, coding, resource allocation, business objects, integration and testing.

Connect3 Systems Inc., Long Beach, CA

Nov 2000-Feb 2001

Lead Developer / Architect / Project Manager

Contract

- Contracted to concept, architect and create an XML communication layer between a Visual C++ ActiveX OCX, to a SQL Server 7.0 database. The resulting architecture was an XML Recordset / XML Multi Recordset across an N-Tier enterprise environment. Multiple large environments included such customers as Best Buy, Office Depot, etc.
- Modified MFC ActiveX OCX control to incorporate XML communication and various extensions.
- Created a license key system for software distribution to help eliminate piracy.
- Created specialized ATL COM objects for encryption and decryption.
- Technologies used were XML, SQL, C++, MFC, ATL, OCX, ActiveX, ASP, COM, COM+, DCOM, MTS, Java, JNI, WebLogic, Wise installs and HTML, Unix, Windows, SQL Server, Oracle.
- Created specialized Wise Installs for automated registration, file encryption, database management and service automation.
- Responsible for Project Management, business logic, architecture, encryption, coding, resource allocation, integration and testing.

Spectria, Long Beach, CA

Jun 1999-Oct 2000

Lead Developer / Architect

Soundbreak (client of Spectria)

- Created a Disc Jockey interface in MFC, to allow a remote connection to a MySQL database and a Python/Linux sound server. Functionality included the ability to load, create, and edit playlists; search for songs, drag and drop songs, to and from playable controls.
- Created playable controls MFC which allowed for fast forward, rewind, skip to end, skip to beginning, pause, stop and rewind of songs to a remote sound server.
- Recreated Disc Jockey interface in Java Swing to interface with an MFC sound server.
- Created Administration Console in Java Swing which allowed creation of playlists, search for songs, beds, sweepers and guests.
- Created custom GUI components and renderers.
- Client sound server (JMF), with the ability to fast forward, rewind, skip to end, skip to beginning, pause, stop and rewind.
- Real time communication with all other playlists, old schedules and those being created.
- Real time validation of playlist rules and regulation.
- Online playable version serving up mpeg files using J2EE servlets and EJB components.

ARCO AM/PM (client of Spectria)

Lead Developer / Architect

- Created an automating tool for ARCO AM/PM brochures.

Jason Graves

- Custom MS Word 2000 VBA Interface, talked to a back end SQL Server 7.0 through ADO, and created a final printable brochure in MS Word.

Hawaii ISPED (client of Spectria)

Senior Consultant

- Created a Visual Basic XML HTTP interface dll for reading multiple XML files across WWW and updating databases on various servers.
- ADO, XML free threaded DOM, SQL 7.0.

BuyBidWin (client of Spectria)

Senior Consultant

- Automated the fulfillment process between BuyBidWin, and current vendors, utilizing XML, XSL, XHTML and Visual Basic.
- Various ASP developments, DHTML, ActiveX dll creation in Visual Basic, COM, COM+, Visual Basic interfaces, administration screens, search engine, graphics and layout.

Toyota, Torrance, CA

Apr 1999-Jun 1999

Consultant

- Contracted to customize a Y2K intranet.
- Visual Basic ActiveX, COM, ASP, HTML, SQL Server 6.5.

Allied Signal Aerospace, Torrance, CA

Aug 1998-April 1999

Consultant

- Application programming for information systems.
- Contracted to perform verification of space station components.
- Projects: NASA's International Space Station (ISS); Crew Return Vehicle (CRV).
- Custom application development in Visual Basic, C/C++, DXL, XML.
- Web site development on multiple projects in Visual Basic, ActiveX, ASP, JavaScript and VBScript.
- Upconverted databases and programs to later versions and Visual Basic ActiveX dll creation.
- Macros programming to parse word documents and populate Access databases.
- Converted verification databases to a customized DOORS application, including customized DXL scripting and importing into Word via macro VBA.
- Installers written using WISE and custom dlls.

Davidson/CUC Software, Torrance, CA

Mar 1998-Aug 1998

Consultant

- Contracted to perform games testing/debugging and website development.
- Set up Intranet for the customer service department in Intrabuilder / Javascript.

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- QA, debugging, gaming concepts, ghosting, game testing.
- Environments: Windows 3.1/3.11/95/95B/95C/NT/98, Mac OS 7.1 and up.

Creative Computers, Torrance, CA

Dec 1997-Mar 1998

Consultant

- On contract to perform web site, application programming and business automation.
- Languages involved, Java, HTML, Javascript, Visual Basic, VBA, SQL.
- Custom application programming, image processing (Windows 95/NT and Mac 7.0).

Initial experience

Dec 1995-Oct 1997

Consultant

- Contracted to perform website programming, website design for various clients throughout college.
- Languages involved, C/C++, Java, HTML, Javascript, Visual Basic, CGI.

Education

- Kalamazoo Valley College, Kalamazoo, MI, 1994-1995, Major: Art
- Western Michigan University, Kalamazoo, MI Major: Computer Science with minor in mathematics
- Microsoft Certified .Net Developer
- Project Management Institute (PMI) Certified Project Manager
- Photovoltaics 100
- Akamai WAF Certified