

J.D. Gibbs

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<https://j2d2.github.io>

Full-Stack Web & AI Application Developer, Project Manager BS in Industrial Technology Management

PROFESSIONAL SUMMARY

Accomplished and innovative technology leader with decades of experience in full-stack web development, project management, and team leadership. Expert in designing and implementing scalable, secure, and user-friendly applications using cutting-edge technologies such as TypeScript, Vue, Angular, AWS, AI and blockchain. Proven track record of streamlining processes, enhancing operational efficiency, and delivering high-quality solutions on time and within budget.

Skilled in leading cross-functional teams, fostering a collaborative and innovative environment, and mentoring junior developers. Passionate about leveraging the latest technologies and best practices to drive impactful projects that contribute to a better future. Seeking new challenges where I can apply my expertise to create meaningful and transformative technological solutions.

EXPERIENCE

Web Applications Developer, Principal – University of Arizona ***Sep 2012 – Current***

- Led development and project management for multiple web applications and websites, utilizing JavaScript, TypeScript, Vue, Angular, React, Mobile-First and Responsive Design, Leaflet, ArcGIS, C#.NET MVC, AJAX, Python, PHP, and custom Drupal modules, resulting in highly responsive and accessible web apps.
- Architected and engineered serverless AWS infrastructure, including DevOps and maintenance plans, supporting complex web apps and standalone APIs, improving scalability and performance.
- Developed complex Progressive Web Apps (PWAs), such as <https://DesertAgWISE.org> and <https://WestIsBurning.org> using Vue, Vuex and AWS backends, providing real-time-data subscriptions with GraphQL, social media integrations and search engine optimizations, enhancing user engagement and accessibility.
- Managed and trained up to 2 student workers, contributing to project development and ensuring knowledge transfer.
- Created a C#.NET Lab Sign Up web application that optimized the registration process for 15 locations, serving hundreds of students per semester – awarded for reliability & stability for over 7 years without downtime!

Co-Founder, Head of Development – Filmstacker.com

Jul 2016 – Dec 2023

- Co-Founded Filmstacker, focusing on collaborative video storytelling, serving as technology expert during business proposals, enhancing product marketability.

- Architected and led the development of a hybrid web app using Angular-Ionic and AWS serverless architecture, implementing real-time data sockets with GraphQL and video transcoding and streaming, resulting in efficient and scalable video solutions.
- Managed international frontend development team to realize the UI/UX vision, improving user experience.
- Led product strategy, code reviews, team meetings, and Agile process in Jira, ensuring streamlined development and quality control.
- Oversaw QA team and implemented feedback loop for continuous improvement, reducing bugs and enhancing app stability.

Blockchain Web Application Developer – Taurium Labs ***Oct 2021 – Dec 2023***

- Supported founder team with web applications showcasing the Cryptocurrency startup's blockchain value proposition, increasing market interest.
- Built a secure API gateway with Express.js and custom Lambda runtime built with C in an Ubuntu Docker container, bridging the blockchain and Web2 apps, enhancing security and performance.
- Designed and implemented a Hierarchical Deterministic (HD) Wallet web app using Angular-Ionic, showcasing blockchain performance with real-time data transactions, improving user trust and engagement.
- Designed and built the Block Explorer, supporting development and sales teams, improving transparency and accessibility.

Founder / Developer / Business Manager – VIVAwebDesign.mobi ***Jan 2011 – Jun 2012***

- Founded company focused on Mobile Web Design for local businesses, evangelizing HTML5 and Mobile Web benefits, increasing local business web presence.
- Provided comprehensive design services from branding to dynamic web applications, improving client marketing efforts.
- Developed custom Content Management System in C#.NET, enhancing client control over web content.
- Consulted clients on Internet Marketing and SEO trends, boosting their online visibility and engagement.

VP of Product and User Experience – AdXplore ***Mar 2011 – May 2012***

- Responsible for User Experience of AdXplore Local Mobile Advertising Apps, ensuring clear and intuitive UI, enhancing user satisfaction.
- Collaborated with development team on UI recommendations, supporting app functionality and usability.
- Led marketing and branding efforts, building a strong user base in Santa Cruz and planning for global scale.

iPod New Product Operations Program Manager – Apple Computer ***Aug 2008 – Jan 2011***

- Directed all manufacturing operations for iPod Touch, from planning through volume production, achieving production targets and maintaining supply-chain efficiencies.

- Defined and executed production ramp and risk mitigation plans, managing budgets and presenting status bi-weekly to Senior VP of Operations, securing executive commitments and ensuring worldwide team alignment.
- Established relationships with engineering teams, representing operations priorities, facilitating smooth product development, test and launch.
- Documented the iPod/iPhone Software Deployment Process to manufacturing sites and optimized Operations' procedures to leverage the intricacies and beautiful best practices, improving deployment efficiency and reducing production delays.

NPI Sourcing Program Manager – Emerson Embedded Computing Aug 2005 – Jul 2008

- Managed large-scale network infrastructure system programs from design to production, ensuring timely and successful product launches.
- Site lead for Strategic Sourcing and Supply Management, negotiating contracts and managing supplier relationships as Global Category Manager for Power Supplies, Storage, Batteries and Computer Peripherals, achieving cost reduction goals.
- Developed technology roadmaps and supply market intelligence, supporting strategic decision-making and risk mitigation.

Web/Graphic Designer, IT Specialist – Trango Systems, Inc. Aug 2003 – Aug 2005

- Sole designer and webmaster for three websites, responsible for all graphic design and server administration, improving web presence and functionality.
- Developed online store and support forum applications, enhancing customer service and sales.
- Acted as IT Specialist, managing databases and network services, ensuring smooth IT operations.

Applications Engineer, eLearning – Microchip Technology, Inc. Jan 2002 – Aug 2003

- Designed and developed online registration web applications for technical training seminars, improving registration efficiency.
- Created animated technical training modules, deploying them on the Internet and CDROM, enhancing learning experiences.
- Combined, edited, and clarified technical material from multiple sources by interfacing with engineers and other disciplines to create clear, accurate, and well-organized narration scripts for eLearning projects, enhancing content quality and learner engagement

Project Manager – Motorola Computer Group Jan 2000 – Dec 2001

- Managed large-scale computer system projects from conception to production, ensuring project goals and timelines were met.
- Developed and maintained product engineering website, creating web applications with ColdFusion and Perl to support engineering and manufacturing processes.

EDUCATION

Secure System Administration and Developer Certification

Nov 2020

University of Arizona

Six Sigma Green Belt

Jan 2008

Motorola University

Green Belt Project: New Product Introduction Material Reservation Process

B.S. – Industrial Technology Management

Jun 2000

Arizona State University

Concentration in Web and Graphic Design, Information Technology and Applied Engineering, with an emphasis in Mechanical Engineering and IT Program Management.

SKILLS

Languages & Technologies:

ES6+, TypeScript, Angular, Ionic, Vue, React, Redux, GraphQL, C#.NET, Python, PHP, Swift, HTML5, CSS3, Git, AWS Serverless Architectures, Docker

Applications:

Visual Studio Code, X-Code, Jupyter, Anaconda, Adobe Photoshop, Illustrator, Acrobat, Blender

REFERENCES

Available upon request.