JAY MONGA

Principal Software Engineer

Maryland - Washington D.C Metro Area | 813-382-1592 | jeremiahmonga@gmail.com

https://jaymonga.com

PROFESSIONAL SUMMARY

Full stack software engineer with 10+ years of experience building enterprise web applications, cloud services, data platforms, and federal technology solutions. Develops end-to-end products using React, JavaScript, Node.js, PHP, Python, PostgreSQL, and AWS; experienced in REST APIs, CI/CD, analytics, and GenAI integrations. Delivered public-sector web modernization for the Bureau of Labor Statistics and public health systems through Accenture. Combines hands-on engineering with architecture and cross-functional team leadership.

TECHNICAL SKILLS

Languages & UI: JavaScript (ES6+), HTML5, CSS3, PHP, Python, Java, SQL; React, Angular, Redux, Highcharts, jQuery

Backend & Data: Node.js, Express, REST APIs, PostgreSQL, MySQL, MongoDB, DynamoDB, PHP services

AWS & AI: Lambda, API Gateway, S3, EC2, RDS, Step Functions, Bedrock, OpenSearch, CloudFront, Connect, Pinpoint; vector embeddings, NLP, ARIMA

Delivery & Testing: Git, Jenkins, SVN, CI/CD, Docker, Linux, Selenium, HtmlUnit, Agile/Scrum, Salesforce, WordPress

PROFESSIONAL EXPERIENCE

Founder & Principal Software Engineer | ListPull, LLC· Remote / Washington, DC–Baltimore area / *Self-employed · February 2025–Present*

- Architect and develop company-owned software products and analytics platforms using React, Node.js, Python, PHP, PostgreSQL, and AWS, including forecasting services, natural-language research workflows, authentication, and third-party API integrations.
- Maintain and expand independently published digital products across web and mobile platforms.

Software Engineering Manager | Accenture · Washington, DC area / *Nov 2023–Feb 2025*

- Led onshore and offshore engineers through Agile delivery, technical design, sprint planning, and stakeholder reviews for enterprise client engagements.
- Led GenAI integration for Bristol Myers Squibb, embedding a lab-data-informed clinic recommendation capability in an existing React application.
- Architected a serverless recommendation pipeline with AWS Step Functions, Lambda, RDS PostgreSQL, Bedrock vector embeddings, and OpenSearch semantic ranking.
- Defined AWS-centered solution architectures and technical requirements to support modernization of legacy workflows.

Application Architect Associate Manager | Accenture · Washington, DC area / *Jun 2022–Nov 2023*

- Led engineering teams integrating Department of Health Salesforce contact-center operations with AWS Connect, automating call routing and post-call workflows.
- Architected a digital vaccination-records solution with QR-code access for proof-of-vaccination verification.
- Designed disease-surveillance clustering workflows to support exposure tracking, contact tracing, and targeted screening recommendations.
- Oversaw React/Node.js applications, Salesforce integrations, and AWS services including API Gateway, Lambda, DynamoDB, Pinpoint, and Lightsail.

Senior Software Engineer | Accenture · Washington, DC area / *Sep 2021–May 2022*

- Built the initial Salesforce and AWS Connect integration, using API Gateway, Lambda, Pinpoint, and DynamoDB to automate routing and post-call processes.

Software Engineer / Lead Web Developer | BAE Systems Applied Intelligence · Washington, DC / *May 2019–Oct 2021*

- Led front-end modernization of the Bureau of Labor Statistics public website for the U.S. Department of Labor under a Public Trust federal contract.
- Introduced reusable React components and upgraded statistical visualizations to Highcharts, integrating government data APIs into public-facing reports.
- Developed Java-based Selenium/HtmlUnit tests and CMS automation for articles, images, and PDFs; supported Jenkins/SVN deployments and accessibility updates.

Founder & Lead Engineer | ListPull, LLC · Silver Spring, MD / *Oct 2017–May 2019*

- Founded and developed a SaaS/PaaS platform using React, Redux, Node.js, Express, MongoDB, PostgreSQL, PHP, and AWS; oversaw the product lifecycle and mobile development.

DevOps Engineer | Hardgainz, Inc. · Kissimmee, FL / *Aug 2015–Sep 2017*

- Implemented PayPal/Stripe payment integrations, REST-connected applications, analytics tools, and application security controls.

Technical Application Specialist | Champion Teamwear · Manhattan, KS / *Apr 2012–Jun 2015*

- Automated Adobe Illustrator and Photoshop production workflows with JavaScript, generating SVG/XML/FXG assets and reducing manual artwork preparation.

EDUCATION

Bachelor of Science in Digital Media and Web Technology, *magna cum laude*
University of Maryland - Global Campus , Adelphi, MD | Graduated

Associate of General Studies
Barton Community College , Fort Riley, KS | Graduated