

Brandon Herbert

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Summary:

Lead Software Developer with 8+ years of enterprise full-stack experience, including recent production work with AI orchestration, AWS Bedrock, RAG, and agent workflows. Experienced in building scalable, HIPAA-compliant applications using Angular, Node.js, Oracle, and MySQL.

Work Experience:

Tria Federal – Remote November 2020 to Present

Team Lead Software Developer

- Led development for 8 production modules, owning architecture design, sprint planning, and code reviews
- Introduced AI capabilities using AWS Bedrock to automate processes and improve efficiency via RAG, Model Context Protocol, and agent workflows
- Designed a production AI help desk assistant, reducing repetitive support workload
- Developed a production AI orchestration framework enabling tool calling, multi-step agent workflows, and structured outputs across existing enterprise applications using AWS Bedrock and MCP-style integrations
- Created React-based tools that reduced SDLC effort across modules by ~80%

TDO - San Diego, CA April 2019 to November 2020

Software Developer II

- Full-stack web development using .NET Framework and Angular
- Converted desktop software into cloud-based solutions using Azure Cloud Services
- Developed Web APIs using Entity Framework and SQL
- Designed intuitive user interfaces using Angular Material components
- Worked in Agile environments focused on rapid development and user feedback

geoConvergence LLC - Murrieta, CA May 2018 to April 2019

Software Developer

- Full-stack web development using Node.js and Angular
- Developed REST APIs using Express and MongoDB
- Led and managed GIS project planning and execution using Jira
- Used GeoJSON and market data to visualize performance on interactive maps
- Developed Python scripts for data migrations and AWS CodePipeline automation

Locbit Inc - San Diego, CA May 2015 to December 2016

Jr. Software Developer

- Developed full-stack IoT applications for cloud automation and expenditure optimization using PHP, Angular, Node.js, SQL, and MongoDB
- Automated IoT device onboarding using Python and Raspberry Pi
- Developed real-time data transfer using WebSockets for live device control

Education:

Computer Science, Bachelor of Science August 2014 to May 2018
California State University San Marcos

Skills:

JavaScript, TypeScript, Python, C#, Angular, React, Next.js, Node.js, Express, AWS Bedrock, AWS Lambda, Oracle, MySQL, MongoDB, Jenkins, Git, MCP