Dylan McLane

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Summary

Results-driven Programmer, specializing in Full Stack Python and JavaScript web development. Combining Software Engineering, user experience (UX), Geology, and artificial intelligence (AI) to craft software for a better tomorrow. Driven by mentorship and teamwork with a focus on agile methodology.

Professional Experience

Google, Web Developer   August 2023 - Present

Core developer for one of Google's Finance Teams, with strong User Experience considerations and close interaction with stakeholders.

- Designed and developed reporting and dashboard tool from the ground up, using React, Python, and Flask (backend services)
- Built out a set of internal productivity tools in React, including list view, kanban, and gantt views
- Built AI Chabot backend with Gemini LLM, TypeScript, Terraform for IaC, Google Cloud Functions
- Regularly contributing to Sprint Planning, Daily Stand-ups, and Retrospectives, with attention to improving processes that empower the entire team

Skills: Python, Flask, TypeScript, React, SQL, Agile, Gemini LLM, Terraform

Esri, **Redlands, CA**, Full Stack Engineer   February 2020 - August 2023

Worked closely with our state government and private business clients to build out Esri solutions according to their unique needs, including Tier 3 support.

- Recovered and validated SQLite databases that were stuck on mobile devices, transferred to MySQL
- Improved data processing with data schemas designed to reduce stray data (data validation)
- Optimized client's Python and JavaScript code, resulting in reduced execution time and enhanced UX
- Built REST API for routing and geocoding and automated regression test scripts using Python
- Hired and mentored 5 junior colleagues, resulting in 24% customer success increase

Skills: Python, JavaScript, Postman, SQL, REST, ArcGIS, Agile

Training & Certifications

Harvard CS50: Introduction to Computer Science   May 2023

- Project focused colleague course teaching C, Python, JavaScript, and SQL, algorithms, data structures, memory, and more

FreeCodeCamp: Responsive Web Design certificate   October 2022

- 5 responsive HTML and CSS projects: Survey form, Tribute page, Technical Documentation page, Product Landing page, and Personal Portfolio webpage

Education

College of Charleston, Bachelor of Science in Geology, Charleston, SC   2016 - 2019

- *Vice President, Geology Club (2018 - 2019)*, leadership, teamwork, and communication skills
- Learned Python, ArcGIS Pro, and ArcGIS Online for undergraduate research project paid by stipend

Technical Skills

C, Rust, JavaScript, Semantic HTML5, CSS3, SASS, TypeScript, ES6, Bootstrap, Node, Express, Next.js, Socket.io, Terraform, React, Angular, JQuery, SQL, Python, Flask, Machine Learning, TensorFlow, PyTorch, Git, Amazon Web Services (AWS), EC2, Lightsail, DynamoDB, S3, Lambda, Terraform, IaC, CI/CD, DNS management, SEO, WordPress, Drupal, Shopify, Docker, GitHub CoPilot, Prompt Engineering, GPT-4 prompting, Microsoft Power BI, Power Automate, Agile, Scrum, Microsoft Office Suite, VS Code, Linux, Atlassian JIRA, Confluence