Liam Johnson

Software Engineer

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SUMMARY

A versatile generalist Software Engineer with 3 years of professional experience across the full stack. Proficient in Python and JavaScript, with a track record of delivering high-quality features from the database level up to the user interface. A quick learner who is comfortable working in an agile team to solve a wide range of technical challenges.

STRENGTHS

Full-Stack Versatility: Capable of contributing effectively to all parts of an application, including backend API development (Python/Flask), frontend implementation (React), and database design (PostgreSQL).

Adaptable Problem-Solver: Quickly gets up to speed with new technologies and domains, demonstrating a strong ability to learn and adapt to meet project needs.

Pragmatic Development: Focuses on delivering clean, simple, and effective solutions to business problems without over-engineering.

Effective Team Contributor: A reliable and collaborative team member who communicates clearly, participates actively in code reviews, and helps the team meet its sprint goals.

TECHNICAL SKILLS

Languages: Python, JavaScript, SQL, HTML/CSS

Frameworks & Libraries: Flask, React, Node.js, SQLAlchemy, Jest

Cloud & DevOps: AWS (EC2, S3, RDS), Docker, CI/CD (GitHub Actions)

Databases: PostgreSQL, MySQL, MongoDB

PROFESSIONAL EXPERIENCE

Software Engineer | Trailhead Tech | July 2022 - Present

- Develops new features for a SaaS platform, working across a Python (Flask) backend and a React frontend.

- Implemented a new user settings module, which involved creating new API endpoints, updating the database schema, and building the corresponding UI components in React.

- Wrote unit and integration tests for both backend and frontend code, improving overall application stability.

- Contributed to the team's CI/CD pipeline using GitHub Actions, helping to automate the deployment process to AWS.

- Debugged and resolved technical issues reported by customers, working across the full stack to find and fix the root cause.

PROJECTS

URL Shortener Service: Built a full-stack URL shortener application. The project includes a Python/Flask backend that handles the logic and a simple React frontend for user interaction, all deployed in a Docker container.

EDUCATION

Bachelor of Science in Computer Science | University of Colorado Boulder | 2018 - 2022