BRENDEN KING

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SUMMARY

Mid-level Software Engineer with over 5 years of experience in web development and cloud solutions. Instrumental in designing and developing an advanced SPA utilizing React at Aqua IT and leading innovative CI/CD automation at Amazon Web Services to save significant operational costs. Key projects include transitioning to OpenShift for enhanced container management and engineering serverless solutions to reduce job failures. Eager to leverage robust engineering skills to drive impactful software solutions in a dynamic environment.

EDUCATION

Master of Engineering in Computer Science, Virginia Tech
Bachelor of Science in Information Technology, Western Governors University

SKILLS

Project Management	GitLab, Jira, Agile, Confluence
Programming Languages	Java, JavaScript/TypeScript, Python, SQL
Frameworks	SpringBoot, Flask, FastAPI, Express, React, Angular, Vue, Next, Tailwind
Tools	AWS, Linux, GitLab CI, CloudFormation, Docker, Kubernetes

WORK EXPERIENCE

Aqua IT   Jul 2023 - Present
Mid-level Software Engineer   San Francisco, CA

- Led the design and development of an advanced Single Page Application (SPA) using React and integrated Bootstrap for responsive UI design. Implemented ESLint to enforce coding standards and 90

- Transitioned the existing codebase to OpenShift, applying Docker for containerization and leveraging Kubernetes for advanced container orchestration, ensuring scalable and automated application component management.

Amazon Web Services (S3)   Jul 2022 - Jul 2023
Software Engineer I   San Francisco, CA

- Devised and implemented a Java-based solution utilizing AWS Lambda to address and resolve a chronic job-sticking problem in the production environment, leading to annual savings in excess of $5400 and reclaiming over 20 hours per month in development time.

- Led the CI/CD automation process for three enterprise-level services using internal proprietary CI/CD software, reducing the new domain build workload by 73

Apex Systems   Jan 2022 - Apr 2022
Cloud Engineer Skillbridge Intern   San Francisco, CA

- Engineered a single-page application (SPA) from the ground up using vanilla JavaScript, deployed on AWS cloud infrastructure. The project was a key entry in a hackathon, securing 3rd place out of 10 teams.

United States Space Force   Oct 2018 - Oct 2022
Satellite Operator   San Francisco, CA

- Created comprehensive On-the-Job Training (OJT) materials, contributing to the professional development of over 30 new operators.

- Led external communications, representing the company's brand and training team members, resulting in improved operational efficiency and team synergy.

PROJECTS

Sudoku iOS App (Try it here)

- Developed a Sudoku application for iOS, focusing on a clean user interface and ad-free experience to enhance user engagement and satisfaction.

Wins/Web Dev Website in React (View Portfolio)

- Created a personal portfolio website using React to showcase web development projects and professional achievements.

Bookstore with SQL, Java Servlets, and Vue (View Repository)

- Designed and implemented a full-stack bookstore application using SQL, Java Servlets, and Vue.js, focusing on efficient database management and dynamic user interactions.