Josh McLain

SOFTWARE ENGINEER | WEB DEVELOPER

Phoenix, AZ | 480.200.4615 | joshmclain45@gmail.com

Linkedin.com/in/joshmclain45

Summary

Full-Stack Engineer with 5 years of experience specializing in both frontend and backend development. Proficient in Java, JavaScript, Node.js, and React, with a strong focus on building scalable web applications, optimizing system performance, and leveraging AWS for cloud infrastructure. Demonstrated ability to lead teams, mentor junior developers, and drive full development lifecycles from conception to deployment. Adept at Agile methodologies and DevOps practices, with a proven track record of delivering high-quality solutions on time.

Experience

Dragon Cats Development | Sr. Software Engineer   *July 2023 – Current*

- Designed and implemented scalable architecture for high-traffic web applications, improving performance by 25%
- Utilized containerization technologies like Docker/Kubernetes for efficient deployment of microservices architecture
- Implemented security measures such as encryption, authentication, and authorization to protect sensitive data
- Implemented automated testing frameworks that increased test coverage by 20% while reducing manual effort required for regression testing

OneOrigin | Technical Lead Engineer   *April 2023 – July 2024*

- Led support and development for a legacy Classic ASP application on IIS, performing semester releases and optimizing system performance, reducing errors by 15%.
- Led CI/CD setup with GitHub Actions and automated infrastructure with Terraform, improving deployment efficiency by 20% and facilitating the system's smooth transition.
- Mentored a team of 4 developers, leading code improvements and deploying a new Java and Vue.js application, enhancing code quality and team output.
- Designed a shim for admissions portal traffic redirection, ensuring zero downtime during system migration and improving user experience by 25%.

Banyan Labs | Software Developer II   *April 2021 – October 2023*

- Led backend and frontend development for a large-scale e-commerce site, guiding architecture design and decommissioning, improving scalability.
- Built key features with Node.js, Java (Spring Boot), and React, enhancing functionality and boosting site performance by 20%.
- Developed custom landing pages with integrated email/SMS notifications and survey tools, increasing user engagement by 30%.
- Optimized CI/CD pipelines with Docker and AWS, cutting deployment time by 25%.

Persevere Code Camp | Teaching Assistant   *November 2019 – April 2021*

- Provided one-on-one tutoring in JavaScript, React, and backend technologies, leading to a 95% course completion rate.
- Delivered feedback on assignments, improving code quality, adherence to best practices, and algorithm efficiency
- Assisted in class instruction and troubleshooting for full-stack development, enhancing learning outcomes.

Education

Persevere Code Camp   2019

Web Development Certification (MERN stack)

- Accelerated enrollment period by 50% graduating early, then was hired on as instructor assistant

Technical Skills

- Languages:
  Java, JavaScript, TypeScript, Node.js, Python, HTML5, CSS3, Bash
- Frameworks & Libraries:
  Spring Boot, React, Redux, Express.js, Vue.js, Next.js, Flask, Bootstrap, TailwindCSS
- Databases:
  MSSQL, DynamoDB, MongoDB, PostgreSQL
- Cloud & DevOps:
  AWS, Terraform, Docker, NGINX, Jenkins, GitHub Actions
- Testing:
  Jest, Mocha, Chai, Supertest, Sinon
- Practices:
  OOP, Functional Programming, Agile, TDD, Clean Code, DRY

Projects

- **Arizona State University - Undergrad Admissions**
  Developed a traffic filtering shim for ASU's admissions portal, ensuring a 25% reduction in downtime during the system transition. (Java, JSP, Vue.js, Node.js, MySQL)
- **Arizona State University - School of Molecular Science**
  Led migration of ASU's TA scheduling system, reducing manual workload by 30%. (C#, ASP, Nuxt.js, AWS)
- **Simply Hired Tech OnDemand**
  Launched an e-commerce platform, increasing revenue by 15% and handling hundreds of daily transactions. (Node.js, TypeScript, React)
- **Indeed.com - Client Account Management**
  Enhanced internal system for client account management, improving job posting efficiency by 20%. (Node.js, React)