JD SHAEFFER

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Portland, OR

Full-stack software engineer specializing in TypeScript, React, Python, and SQL. Expert in building scalable APIs and data-driven applications with strong focus on performance optimization and cross-functional collaboration.

SKILLS

Languages:
Python, JavaScript/TypeScript, HTML/CSS, SQL, Kotlin, Java

Frontend:
React, Vue.js, Vite, RTK Query, Nx

Backend:
Flask, Django, Spring Boot, Node.js, Express.js

Databases/ORMs:
PostgreSQL, MySQL, SQLAlchemy, Redis, ElasticSearch, GraphQL, Snowflake

Testing:
Cypress, PyTest, JUnit, TestNG

DevOps and Tooling:
Git, Docker, Docker Compose, Kubernetes, Jenkins, GitHub Actions, AWS (EC2, ECS, EKS, CloudFront, S3, SQS, RDS, CloudWatch), Terraform, NGINX, New Relic, Grafana

EDUCATION

BS Computer Science
Arizona State University
May 2020

EXPERIENCE

Software Development Engineer

Workday . . . . Oct 2024 - Present

- Design, build, and ship business-critical full-stack features from spec to production in React/TypeScript and Kotlin/Spring Boot, including auth workflows, monitoring dashboards, and test orchestration tools deployed via Docker/ECS with MySQL/RDS, S3, and SQS
- Collaborate with senior leadership and cross-functional teams to define requirements, author technical design documents, conduct code reviews, and triage critical production incidents during on-call rotation
- Ship production code with zero-downtime deployments through automated CI/CD pipelines and comprehensive integration testing

Senior Software Engineer

Butterfly Network, Inc . . . . Nov 2021 - Oct 2024

- Developed enterprise medical workflows using React and TypeScript in the frontend, an Apollo GraphQL gateway, Python, Flask, and PostgreSQL in the backend
- Utilized New Relic, Splunk, and AWS services (including SQS message monitoring, checking pod health in EKS) to triage and quickly address production issues while on-call
- Diagnosed slow database queries and implemented strategic indexes, balancing read/write performance tradeoffs to optimize critical CRUD operations
- Automated deployment pipelines via GitHub Actions, reducing release cycle time and deployment errors
- Created architecture design documents in close functional collaboration with senior engineers, product owners, and QA engineers

Full Stack Developer

Jigawatt . . . . May 2020 - Sep 2021

- Architected a Node.js RESTful API interfacing with MySQL databases for a solar power financing platform that automated existing manual data transfer
- Developed three production-grade Vue.js UIs, implemented CI/CD for deployments and real-time error logging, resulting in efficient delivery of critical product enhancements

Frontend Developer

The Luminosity Lab . . . . Aug 2018 - May 2020

- Implemented rapid prototypes in React and Gatsby.js based on design team mockups in an agency-like environment for several applications

Software Engineer Intern

Hughes Network Systems . . . . May 2019 - Aug 2019

- Implemented a MEAN stack app using Python that increased testing to over 1000 components of the company's bandwidth allocation software