Jamal Shoubaki

Senior Software Engineer

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PROFESSIONAL EXPERIENCE

JPMORGAN CHASE & CO.   **Plano, TX**

Senior Software Engineer   **Mar 2022 - Present**

- Automated infrastructure provisioning and configuration using Terraform, enabling consistent multi-environment deployments and reducing setup time for new environments by 65%.
- Orchestrated scalable containerized microservices on Kubernetes (EKS), handling 500,000+ loan applications annually, which improved deployment velocity by 40% and reduced downtime during rolling updates by 99.9% uptime SLA.
- Designed and deployed Helm charts to standardize application deployments across Kubernetes clusters.
- Built and optimized Spring Boot microservices leveraging Spring Reactive for high-throughput, non-blocking loan transaction processing—achieving a 38% increase in concurrent transaction handling while cutting API latency by 30%.
- Engineered cloud-native solutions by integrating AWS services (S3, ECS, ALB, DynamoDB, Certificate Manager) with automated pipelines, reducing manual interventions by 70% and improving system reliability.
- Modernized backend architecture with Linux-based optimization and fine-grained resource monitoring, lowering infrastructure overhead by 28% while improving application stability under peak loads.
- Instituted CI/CD pipelines integrated with Kubernetes and Terraform, boosting deployment frequency from weekly to daily while maintaining zero post-deployment failures for 12+ months.
- Designed and implemented over 30 AWS Step Functions using AWS Lambda with Python, streamlining workflow automation and enhancing system efficiency.
- Revamped legacy code and infrastructure with Spring Boot best practices, Infrastructure as Code (IaC), and container orchestration, improving developer onboarding efficiency by 50%.

WALGREENS   **Deerfield, IL**

Software Engineer II   **Nov 2020 - Mar 2022**

- Designed and developed key Java-based microservices from scratch using Spring Boot and RESTful API principles to manage over 100,000 daily transactions, improving system performance by 30%.
- Leveraged the full Java tech stack alongside Angular, PostgreSQL, and NoSQL to deliver scalable, robust solutions for 50+ microservices.
- Migrated the pharmacy transaction services to public Azure cloud, cutting costs by 32%.

NOVOMATIC AMERICAS   **Mount Prospect, IL**

Software Engineer   **Jan 2020 - Nov 2020**

- Led development efforts for three AAA 2D video games resulting in commercial success that sold over 12,000 copies worldwide.

EDUCATION

UNIVERSITY OF ILLINOIS AT CHICAGO   **Chicago, IL**

Bachelor of Science in Computer Science   **2016 - 2019**

SKILLS

- **Languages**: Java, JavaScript, Python, SQL, CSS, HTML
- **Certifications**: AWS Certified Developer - Associate (DVA-C02)
- **Frameworks/Software**: AWS, Spinnaker, Jenkins, Azure, React, Spring Boot, Angular, Git, Bitbucket, Kubernetes, Kubectl, Apache Maven, PostgreSQL, JUnit, Mockito, SVN