

Phoenix, Arizona, 85248

Skills

Languages : Java, Python, GoLang, JavaScript

Tools & Frameworks : Kubernetes, React JS, Spring Boot, Node.js, Jenkins, Linux

Databases: MySQL, Oracle, PostgreSQL, MongoDB, Snowflake, Firebase

Backend Development: RESTful APIs, GraphQL, Microservices, System Design

Cloud Technologies: AWS Cloud (ECS, EC2, S3, RDS, ECR, IAM, SSM, Cloud Watch, Secrets Manager), Docker

Methodologies and Testing: Agile, Scrum, OOP, Design Patterns, JUnit, Mockito, Postman, Selenium

Experience

Data Glacier

July 2024 – Present

Software Engineer Intern

Phoenix, AZ

- Leveraging experience as a backend software developer on the search and retrieval team, processing 50K+ daily queries with 99.9% uptime, working closely with ML systems and utilizing a tech stack primarily focused on Java and Python.
- Collaborating with the ML team to implement user search and recommendation functionality. Built an API that scored and recommended users based on relevance and activity, improved qCTR by 15% and enabled users to efficiently.
- Enhanced operational readiness by creating 8 Grafana dashboards to monitor service health.

August 2022 – December 2023

Graduate Teaching Assistant

- Reviewed, analyzed student data to assess learning performance, applying insights to improve course delivery by 15%.
- Mentored 60+ students on ML and data analysis techniques, bridging theoretical concepts with practical application.

Infosys Systems

September 2021 – July 2022

Software Developer

Chandler, AZ

- Worked on the Billing and Payments team using Java to enhance core billing functionalities and the billing platform, reducing payment processing time by 35% and improving transaction success rate through cross-functional initiatives.
- Optimized API integrations with third-party payment gateways, improving transaction processing efficiency by 20%.
- Engineered the Billing Revenue Alerting Framework to automate anomaly detection for large-scale usage data. Integrated real-time notifications with the Cloud Alerting System, cutting on-call workload by 40%.
- Configured 7+ features with Docker and Kubernetes, achieving high availability during peak loads. Contributed to Agile/Scrum teams, ensuring alignment with product objectives and scalability.

Epam Systems

May 2021 – August 2021

Software Developer

Chandler, AZ

- Migrated 50+ warranty services from legacy ColdFusion to Java-based APIs, improving performance by 40%, while integrating with Oracle and SQL databases, ensuring robust data handling and secure transactions.
- Delivered predictive analytics solutions using RESTful web services and Agile methodologies, enhancing user experience. Improved Maven-based build efficiency by 19% for the American Express client through Jira and collaborative solutions.
- Coordinated with end users to optimize SQL queries, improving client satisfaction by 10%.

ServiceNow

July 2020 – October 2020

Software Development Intern

Santa Clara, CA

- Implemented the 'Inline variable-value preview' feature for the ServiceNow code editor, integrating front-end and back-end components using React JS, Redux, and Node JS, resulting in a 30% increase in development efficiency.
- Streamlined debugging, resulting in a significant 20% decrease in debugging time and enhanced developer experience.

Projects

Cloud-Native Application | Java, Kubernetes, Docker, AWS

March 2024

- Developed and Deployed a cloud-native application in Java, using Kubernetes for orchestration, increasing deployment efficiency by 30% and integrated with cloud services like AWS S3 for storage and DynamoDB for database.

EcoSphere - Decentralized Pollution Monitoring Platform | Java, Blockchain

January 2023

- Innovated a Java-based platform integrating IoT and blockchain, enabling real-time pollution monitoring and ensuring 100% data transparency across 50+ sensor nodes. Designed a JavaFX dashboard to visualize pollution trends.

Education

August 2022 – December 2024

Master of Science in Data Science

GPA: 3.8 / 4.00

Publications

g." International
[View Paper]