



SUMMARY

Engineer with over 3 years of hands-on experience in designing and developing full-stack applications, cloud-native microservices, and highly scalable, distributed systems. Adept in Java, Spring Boot, Angular, and AWS services including EC2, Lambda, and API Gateway. Proven expertise in building and optimizing RESTful APIs, fine-tuning SQL and NoSQL databases, and automating CI/CD pipelines using Jenkins, GitHub Actions, and Terraform. Demonstrated success in boosting application performance by up to 30% through code optimization and architectural improvements. Strong grasp of data structures, algorithms, secure coding practices, and Agile methodologies, with a consistent track record of delivering reliable and high-performing software solutions under fast-paced development cycles.

TECHNICAL SKILLS

- Programming Languages:** Java, Python, JavaScript (ES6+), TypeScript, C#, PHP, HTML5, CSS3, SQL, Bash, Shell Scripting, JSON.
- Frameworks:** Spring Boot, Spring MVC, Spring Cloud, Spring Data JPA, Hibernate, Flask, ASP.NET MVC, Node.js, Express.js, REST API, Microservices, Angular 11+, React.js, Vue.js, jQuery, Bootstrap
- Databases & Storage:** PostgreSQL, MySQL, Microsoft SQL Server, Oracle, MongoDB, Redis, Apache Hive, Amazon S3
- Cloud Platforms:** AWS (EC2, Lambda, API Gateway, CloudFormation, CloudWatch, RDS, S3, ECS, EKS), Microsoft Azure, GCP
- DevOps & CI/CD:** Docker, Kubernetes, Jenkins, GitHub Actions, Terraform, Git, Maven, Gradle, Prometheus, SonarQube, Postman, Swagger
- Tools & Platforms:** Git, Jenkins, Kafka, CI/CD, Visual Studio, SAAS, JIRA, Confluence, Docker, Kubernetes, Terraform, Prometheus
- Big Data & ETL:** PySpark, Hadoop, MapReduce, Apache Airflow, Apache Kafka
- Monitoring & Logging:** CloudWatch, Prometheus, Grafana, ELK Stack (Elasticsearch, Logstash, Kibana)
- Visualization & Reporting:** Tableau, Power BI, QlikView, Google Data Studio
- Tools & Collaboration:** Visual Studio, IntelliJ IDEA, VS Code, JIRA, Confluence, Notion, Trello

WORK EXPERIENCE

**Kroger–Software Developer, Texas, USA** January 2023–Present

- Developed and optimized RESTful APIs using Spring MVC, enhancing integration efficiency and reducing response latency by 20%.
- Improved Kafka-based messaging pipelines, boosting message delivery reliability by 30% for high-throughput systems.
- Built scalable web apps with Angular 11+ and React 15+, significantly improving UI responsiveness and cross-browser compatibility.
- Collaborated with UI/UX and QA teams to build Angular and React applications using TypeScript for better scalability and maintainability.
- Optimized legacy systems using Ruby on Rails, ensuring smooth frontend-backend interactions and maintaining system stability.
- Created reusable Angular and React components, reducing development time by 25% and enhancing UI consistency across modules.
- Developed backend APIs using PHP, PostgreSQL, and MySQL to support data-heavy modules with efficient REST endpoints.
- Developed microservices using Go (Golang), reducing response times by 20% and improving horizontal scalability.
- Tuned SQL queries, triggers, and stored procedures, reducing execution times by 25% across transactional systems.
- Migrated monoliths to AWS microservices using ECS and API Gateway, cutting costs and improving elasticity.
- Secured APIs with SSL/TLS, OAuth2, and JWT, eliminating third-party dependencies and improving overall system integrity.
- Automated CI/CD pipelines using Jenkins, GitHub Actions, and Terraform, reducing manual effort and enabling rapid releases.
- Attained 90% test coverage using Jasmine and Karma for Angular apps, ensuring test reliability and production readiness.
- Used Redis for caching strategies, improving API response speeds by 25% and minimizing backend server load.
- Led L2/L3 production support, diagnosing issues, performing RCA, and deploying hotfixes, reducing downtime by 30%..
- Performed OWASP-based API security audits, remediated vulnerabilities, and implemented secure coding practices.
- Integrated .NET stack (C#, ASP.NET MVC, SSIS, SQL Server), enhancing cross-platform compatibility and backend robustness.
- Administered Windows, Linux, and iOS environments, improving system uptime, application deployment, and monitoring.
- Built GAN and transformer AI models in PyTorch and TensorFlow for data augmentation, boosting training by 30%.
- Fine-tuned GPT-3 models via OpenAI API for chatbot and NLP solutions, improving performance and accuracy by 25%.

**Sonata Software–Software Developer, Bangalore, India** Jun 2020 – Jun 2021

- Engineered scalable enterprise applications using the Spring Framework, implementing Dependency Injection, Spring Security, and Web Flow to enhance modularity and maintainability.
- Developed high-performance software in C++ for system-level functionality and C# for business applications, improving integration and overall runtime efficiency.
- Built robust backend services using Node.js, reducing API response latency by 30% and scaling to handle over 10,000 concurrent requests for real-time processing.
- Built RESTful services with Spring Boot and JPA, streamlining data access and boosting backend speed by 20%.
- Automated infrastructure setup with AWS CloudFormation, ensuring consistent and repeatable environments.
- Used AWS CloudWatch to monitor performance and resolve issues proactively, cutting downtime by 20%.
- Designed ETL workflows to load data from Oracle, SQL Server, and flat files into operational systems.
- Led Migration of legacy apps to AWS using S3 for storage and Lambda for efficient serverless execution.
- Streamlined Git-based version control and CI/CD pipelines, automating deployment workflows and improving developer efficiency.
- Created reusable utility libraries for logging and error handling across microservices, reducing redundant codebase by 20%.
- Mentored junior engineers on Agile best practices, fostering team collaboration, knowledge sharing, and sprint planning efficiency.
- Conducted root cause analysis for production issues, implementing long-term fixes and reducing resolution times by 50%.
- Facilitated Agile ceremonies and technical brainstorming across 8+ teams, identifying bottlenecks and accelerating delivery by 25%.

PROJECTS

AI-Powered Product Recommendation Engine

*Python, Flask, Scikit-learn, Pandas, MongoDB, Docker*

- Developed a hybrid recommendation system using collaborative and content-based filtering with KNN and cosine similarity.
- Deployed real-time Flask REST APIs and integrated MongoDB for dynamic user profile and metadata management.
- Improved recommendation accuracy by 25% through iterative tuning, feature engineering, and performance evaluation.
- Containerized the solution using Docker for scalable deployment and seamless integration.

EDUCATION

Master of Science: Computer Science-  
University of North Texas, Denton, Texas (12/2022)