Kush Pandya

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Professional Summary

Full-stack Software Engineer with over 2 years of experience building scalable web applications using Java, Spring Boot, React JS and cloud technologies. Skilled in RESTful API development, CI/CD pipelines, and Agile methodologies. Committed to writing clean, maintainable code and delivering high-performance, user-centric solutions.

Technical Skills

Programming Languages: Java (Primary), Kotlin, Python, SQL, JavaScript
Databases: MySQL, SQL Developer
Framework & Libraries: Spring Boot, React JS, Angular JS, JUnit, Maven, Firebase
Methodologies: Agile, SDLC, Test-Driven Development (TDD)
Tools: Visual Studio Code, Git, Azure, Google Colab, Copilot, Android Studio

Professional Experience

Associate Software Engineer, Yazhi Group— North Carolina (October 2025 – Dec 2025)
- Implemented **ReactJS** as front-end integrating them with **Stream API** using **Java8** to improve readability of code.
- Participated in Agile ceremonies and collaborated with cross-functional teams to deliver features on time.
- Implemented integration tests for the APIs and Unit tests for the functionality.
- Used git for version control.

Software Engineer, DMI — Remote (Jan 2024 – Sep 2025)
- Developed RESTful APIs using **Spring Boot** and integrated them with **AngularJS** front-end, improving user experience and backend performance.
- Implemented batch processing and optimized database queries, reducing processing time by 35%.
- Managed dependencies using Maven and deployed docker images through Jenkins CI/CD Pipelines.
- Used Azure for version control, documentation and user story tracking.

Graduate Research & Teaching Assistant, Colorado State University — Colorado (Jan 2022 – May 2023)
- Implemented Qualitative Spatial Relations (QSRs) between 3D objects to find geometric relations between them.
- Achieved embedding spaces by building a data set and training a neural network based on machine learning.
- Supported over 100 students in Unity-3D based virtual reality coursework (Engaging in Virtual World) & troubleshooting.

Junior Android Developer, Versatile Technolabs — India (Jul 2019 – Dec 2019)
- Implemented RESTful APIs using java and kotlin, integrated with android layouts for a vendor monitoring application.
- Applied MVC, MVVM and MVP architecture patterns to enhance scalability, responsiveness and reliable functionality.

Android Developer Intern, Aimcrafters — India (Jan 2019 – May 2019)
- Learned and developed a few advanced user interfaces, strong application structures, and REST API integration.
- Integrated XML with databases, reducing sync issues by 40% and improved data exchange efficiency by 15%.

Education

M.S. in Computer Science - Web Development, Machine Learning, Algorithms - Colorado State University, USA (May 2023)
B.E. in Computer Engineering - Java, DBMS, Calculus - Alpha College of Engineering and Technology, India (May 2019)

Projects

Fashion E-commerce Platform (React JS, Firebase) GitHub
- Built a responsive e-commerce website using React and Firebase backend.
- Developed a user-authenticated online shopping site with add to cart option and Stripe payment integration.

Movie Recommendation System (Python, PySpark) GitHub
- Built a movie recommendation system using python and collaborative filtering technique updated by reviews and preferences.
- Achieved 0.91 RMSE by using PySpark API and memory-based method on the MovieLens dataset.

Augmented Furniture App (Java, XML, ARCore) GitHub
- Created an interior design application using Augmented Reality to visualize furniture in real world spaces.
- Applied 3D replicas of furniture in a house or workplace using the augmented reality library ARCore.