Kamal Kiran Polisetty

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EXPERIENCE

Associate Software Engineer
June 2022 – July 2023
Capgemini

- Developed and maintained backend services using Java, Spring Boot, and Hibernate, implementing JWT authentication and role-based authorization to secure APIs.
- Built and maintained Angular components for user dashboards, forms, and real-time data views, ensuring seamless integration with backend APIs.
- Optimized API response times by implementing efficient caching strategies and query optimization, reducing average response time by 35% and improving overall application performance.
- Collaborated with frontend developers to debug API integration issues, reducing integration bugs by 25% and ensuring seamless user experience.
- Utilized Git, Maven, Docker, and Jenkins to support CI/CD pipelines, ensuring rapid, reliable deployments and code quality as part of Agile sprints with a cross-functional team of 7.

Software Intern
Feb. 2022 – Apr. 2022
Capgemini

- Developed Java-based integration solutions using MuleSoft framework to connect enterprise databases and file systems, reducing manual data processing by 60%.
- Implemented RESTful API services with Java backend logic and developed DataWeave transformations for JSON, XML, and CSV payloads, ensuring data integrity across 5+ interconnected systems.
- Deployed and configured CloudHub APIs with robust security policies including OAuth2 authentication, rate limiting, and IP whitelisting to protect sensitive data.

Web Development Intern
July 2021 – Sept. 2021
Cureya

- Developed interactive components for healthcare platform using React, implementing state management and hooks to create responsive patient dashboards and appointment scheduling interfaces.
- Engineered Java-based backend services for user authentication and data management, ensuring secure connections between React frontend and healthcare databases.
- Optimized application performance by implementing efficient React rendering patterns and Java service optimizations, resulting in 30% faster page load times and improved user experience metrics

FEATURED PROJECT

TrailLink
Jan. 2025 – Apr. 2025
Texas State University

- Engineered a cross-platform mobile application for trekking enthusiasts, featuring real-time location sharing, SOS alerts, and interactive route mapping, reducing planning time by 60%.
- Developed secure authentication with JWT and bcrypt, built RESTful endpoints for trek management, and integrated WebSockets for real-time chat and location updates.
- Integrated third-party APIs, including Open-Meteo for geocoding and weather forecasts, achieving 98.5% location accuracy and enhancing trekker safety.
- Designed and developed the full stack of the application using React Native, Node.js, and MongoDB, ensuring an intuitive UI that earned an 84% System Usability Scale score from user testing.

EDUCATION

Texas State University
San Marcos, Texas
Master's in Computer Science GPA: 3.75/4.0
Aug. 2023 – May 2025

Presidency University
Bangalore, India
Bachelor of Technology in Computer Science GPA: 8.80/10
Aug. 2018 – May 2022

TECHNICAL SKILLS

Languages: Java, JavaScript, TypeScript, Node.js, Python, SQL, HTML/CSS
Frameworks: Spring Boot, Spring MVC, Hibernate, JUnit, Angular, React, React Native, MuleSoft
Developer Tools: Git, Docker, Jenkins, Terraform, Maven, Gradle, Postman
Cloud: AWS (EC2, S3, Lambda, Gateway API, Route 53), Google Cloud
Databases: MySQL, PostgreSQL, MongoDB, AWS- RDS, Redis
Concepts: REST APIs, JWT, OAuth2, Microservices, CI/CD, Agile/Scrum, OOP