Venkatesh Kelam

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Summary

AWS Certified Solutions Architect and Computer Science graduate student with a strong foundation in software development and cloud technologies. Skilled in building scalable, high-performance applications and leveraging problem-solving and collaboration to deliver reliable software solutions. Strong interest in full-stack development, distributed systems, and cloud-native architectures. Motivated to contribute and grow as a Software Development Engineer while creating impactful solutions that enhance performance and user experience.

Education

Master of Science in Information Systems   Aug 2023 – Present
Northeastern University, San Jose, CA   GPA: 3.9/4.0

Bachelor of Technology in Information Technology   Apr 2023
Anna University, Chennai   GPA: 3.5/4.0

Work Experience

Software Engineer Intern   Feb 2025 – May 2025
Ipser Labs, Remote

- Designed and developed **Dhorobha**, a React-based real estate platform with OAuth authentication and user management.
- Implemented client-side routing with React Router and centralized state handling using Redux, reducing redundant API calls by **30%** while collaborating in peer code reviews to ensure best practices.
- Integrated **Google Maps API** for real-time property location visualization and navigation, enhancing user experience with interactive map-based browsing.
- Optimized performance using React lazy loading, code-splitting and Tailwind, reducing mobile load time by **25%**.
- Built scalable **REST API** endpoints in Java Spring Boot with **200ms** response time, adding unit tests to improve reliability, maintainability, and enable future mobile app integration.

Front-End Developer Intern   Apr 2022 – Apr 2023
Uniq Solutions, Chennai, India

- Developed responsive **doctor appointment booking pages** with React.js & Bootstrap, improving accessibility and increasing mobile bookings by **25%**.
- Integrated **REST APIs** to fetch real-time doctor availability and appointment slots, reducing scheduling errors and enabling instant confirmations.
- Implemented form validation and error handling, reducing failed bookings by **20%** and boosting user trust.
- Optimized state with Hooks and built reusable, well-tested React components, cutting duplication by **30%** .
- Collaborated in **Agile sprints** with designers and backend engineers, participating in code reviews and ensuring features were delivered on schedule with strong performance and responsiveness.

Technical Skills & Certification

Languages & Frameworks: Java, Python, JavaScript, TypeScript, React.js, Next.js, HTML5, CSS3, Tailwind CSS, Spring Boot, RESTful APIs, OAuth, Socket.io
Cloud & DevOps: AWS (EC2, S3, DynamoDB, CloudWatch), Terraform, CloudFormation, Docker, Kubernetes, MySQL, PostgreSQL, MongoDB, Git, GitHub
Certification: AWS Certified Solutions Architect – Associate

Projects

RideShare Application | React Native, TypeScript, Redux, Node.js, Google Maps API   Feb 2025 – Present
- Developing a cross-platform ride-sharing mobile app with **React Native** and **TypeScript**.
- Implementing **Redux** state management, OAuth based authentication, and Google Maps API for live tracking.
- Building backend APIs with **Node.js** and **Express** for ride requests, user management, and payments.

Online Marketplace | React, Node.js, Express, MongoDB, Tailwind   Feb 2025 – May 2025
- Developed a full-stack marketplace for browsing, buying, and selling products.
- Implemented authentication, product listings, and payment integration with **Node.js** and **MongoDB**.

Healixity – Health Assistant | Go, Next.js, Pinecone, DynamoDB   Dec 2024 – Feb 2025
- Developed *Healixity*, a health dashboard built with **Next.js** and **Go**, integrating **DynamoDB** and **Pinecone**.
- Implemented AI-powered parsing of lab reports, prescriptions, and doctor's notes for personalized insights.