Akash Venugopal

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Software Engineer with experience building scalable, highly available web applications using React, TypeScript, and Node.js. Experienced in end-to-end software development, distributed systems, RESTful APIs, AWS, and production incident management for large user-facing platforms.

EDUCATION

University of Ottawa, *MEng in Electrical and Computer Engineering Conc in AI* | Ottawa, Canada   June 2025

Vels University, *BEng in Computer Engineering* | Chennai, India   May 2021

EXPERIENCE

Reelcruit, *Frontend Developer Intern*   Sept 2024 - May 2025

- Built and enhanced responsive, user-facing interfaces using TypeScript, JavaScript, and React, faithfully recreating Figma designs and animations to deliver polished, production-quality UI.
- Integrated secure third-party REST APIs, including LinkedIn OAuth, enabling authentication, data synchronization, and new product features.
- Implemented client-driven enhancements across UI workflows and API-connected components, handling user, scheduling, and application state data.
- Collaborated within Agile SCRUM teams, contributing through Git-based workflows, pull requests, and code reviews to deliver maintainable, high-quality features.
- Supported cloud-native development and deployment pipelines using Docker and Azure CI/CD, emphasizing performance, security, and scalability.

ICanBeWell, *Software Developer*   Sept 2024 - Dec 2024

- Developed and maintained scalable, highly available frontend application using React, TypeScript, JavaScript (ES2015+), HTML5, and CSS3, supporting a large user base.
- Owned frontend features across the entire software development lifecycle, including design, implementation, testing, code reviews, deployment, and production support.
- Integrated frontend applications with RESTful APIs and microservices, collaborating closely with backend, product, and platform teams.
- Diagnosed and resolved production incidents and performance issues, ensuring reliability and availability in distributed systems.
- Deployed and operated frontend services on AWS, leveraging Redis for client-side caching and performance optimization.

Conneqt Digital, *Digital Associate*   Oct 2021 - Oct 2022

- Designed and built highly available backend services using Node.js, Express.js, and TypeScript, supporting distributed systems and microservices architectures.
- Developed and maintained RESTful APIs, applying object-oriented programming principles to deliver reusable, maintainable, and well-documented code.
- Took full ownership of backend services in production, including monitoring, debugging, and resolving time-critical outages and incidents.
- Deployed, scaled, and operated backend services on AWS, using Redis for caching, rate limiting, and performance improvements.
- Leveraged no-code / low-code tools to rapidly prototype internal applications, iterate on requirements, and improve turnaround time for stakeholders.

SKILLS

Programming Languages	Typescript, Javascript, SQL
Frontend Technologies	React, Next.js, HTML5, CSS3, Redux, Zustand
Backend Technologies	Node.js, Express.js, RESTful APIs, Microservices
Databases	PostGres, MongoDB, Redis
Tooling & Performance	Vite, Webpack, Lazy Loading, Code Splitting
Cloud & Deployment	Vercel, AWS, Docker
CI/CD & DevOps	Git, GitHub, GitHub Actions, Automated Build & Deployment Pipelines
Testing & Quality	Jest, Unit Testing, End-to-End Testing, UI Test Automation, Debugging & Root Cause Analysis
Security & Compliance	Secure API Design, OAuth, OWASP Fundamentals, Role-Based Access Control (RBAC)
Analytics & Observability	PostHog, Client-Side Logging, Frontend Metrics & Monitoring
AI Tools & Techniques	CodeRabbit, Claude Code, Prompt Engineering, Retrieval Augmented Generation(RAG), GENAI