

Kaushik Kishore

Full Stack Engineer

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SUMMARY

Full Stack Engineer with 10+ years of experience developing end-to-end web applications and cloud infrastructure. Deep expertise in backend technologies (Go, Python, Node.js, .NET) complemented by strong React frontend skills. Proven track record of architecting scalable distributed systems, implementing CI/CD pipelines with GitHub Actions, and deploying to AWS environments while reducing infrastructure costs by 25-40%. Experience in leading technical teams, building multi-tenant applications, and optimizing application performance across the stack.

SKILLS

Backend: Go, Python, Node.js (Express.js), C# (.NET), FastAPI, REST APIs, Microservices

Frontend: React.js, JavaScript, HTML5, CSS3, Redux, Tailwind CSS, Bootstrap, Webpack, Jest

DevOps & Cloud: AWS (EC2, S3, RDS, Lambda), GitHub Actions, Docker, Terraform, Kubernetes

Databases: PostgreSQL, MySQL, MongoDB, Redis, Elasticsearch

KEY PROJECTS

OneLens: Full Stack AWS Cost Optimization Platform

- Architected and implemented scalable backend services using Go and Python, processing terabytes of AWS resource data with optimized algorithms for performance and reliability
- Designed and developed React frontend dashboards with Redux for state management, creating an intuitive visualization layer for complex cloud infrastructure data
- Built automated CI/CD pipelines with GitHub Actions for continuous testing and deployment to AWS, ensuring reliable releases with zero downtime
- Implemented ticket management system with RESTful APIs in Go, enabling efficient tracking and resolution of cost optimization opportunities
- Designed and deployed containerized microservices architecture on AWS ECS, ensuring scalability and fault tolerance for handling large-scale data processing

CostGuard: Policy-Driven Cloud Cost Optimization Engine

- Developed a high-performance backend with Go that efficiently processed and analyzed large volumes of AWS CloudWatch metrics and resource data
- Created a flexible SQL-based policy engine using Python that identifies cost optimization opportunities, handling complex query processing with optimized execution plans
- Built React-based visualization dashboard that presents optimization recommendations with interactive charts and filterable data tables
- Implemented automated deployment workflows with GitHub Actions for multi-environment delivery (dev, staging, production) on AWS infrastructure
- Designed and built horizontally scalable microservices architecture capable of processing data from hundreds of AWS accounts simultaneously

WORK EXPERIENCE

Senior Full Stack Engineer

Astuto AI Bangalore, India

Aug 2023 – Present

- Architected and implemented scalable backend services in Go and Python that process and analyze terabytes of AWS resource data for cost optimization
- Built CI/CD pipelines with GitHub Actions for automated testing and deployment to AWS ECS, enabling reliable and frequent releases
- Developed React frontend dashboards with Redux and Tailwind CSS, creating intuitive visualizations of complex cloud resource data
- Optimized database performance by migrating from r7g.2xlarge to m7g.xlarge through query analysis and PostgreSQL tuning, achieving 40% cost savings and faster response times

- Mentored engineering teams on full stack development practices, establishing coding standards and architectural patterns for both backend and frontend systems

Full Stack Engineer

Vauld Bangalore, India

Jul 2021 – Aug 2023

- Architected and implemented a high-throughput Node.js backend for real-time risk management system that processed market data streams, monitored positions, and executed automated actions
- Designed and built microservices architecture deployed to AWS using GitHub Actions, ensuring reliable scaling during market volatility
- Developed React frontend interfaces for cryptocurrency trading and risk management dashboards with real-time data visualization
- Implemented secure integrations with government identity verification APIs using Node.js, enabling real-time validation while maintaining data privacy and security standards
- Established comprehensive test automation framework for both backend and frontend code, achieving 80% test coverage and reducing production incidents by 80%

Full Stack Engineer

Western Digital Bangalore, India

Nov 2018 – Jun 2021

- Built and optimized CI/CD pipelines with GitHub Actions and AWS CodeDeploy, reducing deployment times and improving reliability across development environments
- Developed backend services in Python and Node.js for data processing and API integrations, improving system performance and reliability
- Created responsive web interfaces using React for internal developer tools and system monitoring dashboards
- Led systematic code refactoring initiatives across backend services and database layers, improving performance, maintainability, and reducing technical debt

Full Stack Developer

LeadSquared Bangalore, India

Sep 2013 – Oct 2018

- Architected and implemented scalable .NET backend services with SQL Server stored procedures for a high-volume lead management system handling millions of records
- Designed and built a multi-tenant architecture with advanced database partitioning strategies, enabling efficient resource utilization across hundreds of customers
- Developed responsive frontend interfaces for lead management dashboards and reporting tools
- Designed and implemented secure REST APIs with token-based authentication and comprehensive rate limiting, serving 1M+ requests per day

EDUCATION

B.E. in Information Technology

RGPV Bhopal, India

Aug 2009 – Jun 2013