

AVINASH KUMAR

Software Developer

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PROFILE SUMMARY

Software Development Engineer with 2+ years of experience building scalable, high-performance, cloud-native applications. Strong expertise in data structures, system design, RESTful APIs, and distributed systems, with hands-on experience in AWS-based production environments. Proven ability to optimize performance, improve reliability, and deliver secure, maintainable code in fast-paced agile teams. Passionate about designing systems that balance scalability, availability, and rapid product iteration.

CORE SKILLS

Cloud & Systems:	AWS (EC2, S3, IAM, VPC), Linux (Production)
Infrastructure as Code:	Terraform (AWS – EC2, VPC, IAM)
Containers & Orchestration:	Docker, Docker Compose, Kubernetes (EKS fundamentals)
CI/CD & Automation:	GitHub Actions, Automated Build & Deployment Pipelines
Observability:	Prometheus, Grafana, Metrics, Dashboards, Alerting
Reliability Engineering:	NGINX, HTTP, Load Balancing concepts
Web & Networking:	SLIs, SLOs, SLAs, Error Budgets, MTTR, Incident Response
DataBase:	PostgreSQL, MySQL, MongoDB, Redis
Version Control & Scripting:	Git, GitHub, Bash

EXPERIENCE

Software Developer | The Regiment | Dec 2024 – Aug 2025

- Built and deployed scalable full-stack applications using React.js, Next.js, Node.js, and Express.js, improving application performance by 30% through optimized architecture and API handling.
- Designed and integrated RESTful APIs with PostgreSQL and MongoDB, reducing query latency by 25% via indexing and database optimization.
- Implemented secure authentication and authorization using JWT and RBAC, enhancing system security and reducing access vulnerabilities by 40%.
- Improved frontend performance using code splitting, lazy loading, and state optimization, decreasing page load time by 35% and increasing user engagement by 20%..

Associate Software Engineer | Enveu Software Technologies | Aug 2023 – Nov 2024

- Designed and developed scalable full-stack applications using React.js, Next.js, Node.js, and Express.js, improving application performance by 30% and delivering high-quality features in agile sprints.
- Built and optimized RESTful APIs integrated with PostgreSQL and MongoDB, reducing response time by 25% through query optimization, indexing, and efficient data modeling.
- Implemented secure authentication and authorization using JWT and Role-Based Access Control (RBAC), enhancing platform security and ensuring robust user management.
- Contributed to production deployments on AWS, utilizing Docker and CI/CD pipelines to ensure reliable releases, high availability (99.9% uptime), and smooth feature rollouts.

KEY PROJECTS

Project Management SaaS

- Developed a Project Management SaaS platform to manage tasks, users, and project workflows with real-time collaboration.
- Designed and implemented full-stack architecture using RESTful APIs, secure authentication, and responsive UI components.
- Applied DevOps methodologies by setting up CI/CD pipelines, Dockerized services, and cloud-based deployments for scalability.
- Enhanced system reliability and performance through monitoring, logging, and optimized cloud infrastructure.
- Tech Stack: React.js, Node.js, Express.js, MongoDB, Docker, GitHub Actions, AWS (EC2, S3), Nginx**

EDUCATION

B.Tech (Hons) – Computer Science Engineering

Lovely Professional University | 2024 | CGPA: 8.20

ADDITIONAL HIGHLIGHTS

- Deployed and scaled cloud-native applications on AWS and Azure, ensuring high availability and performance.
- Applied system design, performance optimization, and monitoring principles to build reliable production systems.
- Supported and optimized high-traffic applications, improving scalability, stability, and response time under load.