Akash Maurya

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EDUCATION

Lovely Professional University Punjab
Master of Computer Applications (MCA) *Aug 2021 – May 2023*

SVS University Meerut, UP
Bachelor of Computer Applications (BCA) *Jul 2017 – May 2020*

WORK EXPERIENCE

Software Associate Aug 2024 – Present
XRG Consulting Pvt Ltd *Hyderabad*

- Developed a **microservice** for authentication and authorization using Node.js, Express, MongoDB, and TypeScript.
- Implemented JWT-based authentication, **OAuth/OIDC** for **SSO**, and role-based access control (**RBAC**).
- Implemented security best practices, including **rate limiting**, **encryption**, and secure session management.
- Collaborated with senior engineering team to diagnose and resolve critical server and application performance issues
- Integrated **BullMQ** for queuing emails and notifications in the Nishchint app, reducing API response time by 60%.

PROJECTS

Medium Blog Application GitHub Repo — React, Node.js, TypeScript, Express, Prisma, Cloudflare, Hono, Docker
- ∗ Developed a full-stack blog platform using Node.js and TypeScript with a serverless architecture.
- ∗ Integrated Cloudflare Workers for improved performance and scalability.
- ∗ Implemented GitHub OAuth to enable seamless user authentication.
- ∗ Containerized with Docker and optimized for cloud deployment.

Sudarshan Online Compiler GitHub Repo — React, Node.js, Express, Vercel
- ∗ Architected and deployed a web-based code compilation platform integrating JDoodle's API for multi-language support.
- ∗ Used Context API for efficient state management and improved user experience.
- ∗ Implemented JDoodle REST API for secure and scalable code execution.
- ∗ Optimized backend performance, reducing compilation response times by 40%.

TECHNICAL SKILLS

Languages: Java, TypeScript, C++, SQL (Postgres), JavaScript, HTML/CSS

Frameworks: Next.js, React, Node.js, Bootstrap, Material-UI

Backend Development: Node.js, Express.js, REST APIs, GraphQL, ORMs (Prisma, Mongoose), Authentication (JWT, OAuth, OIDC, SSO), RBAC (Role-Based Access Control)

Databases: MongoDB, PostgreSQL, Redis (Caching), Indexing, Sharding, Replication

Developer Tools: Docker, VS Code, Visual Studio, IntelliJ, Eclipse, MongoDB Compass

DevOps & Cloud : Amazon S3, Cloudflare, Docker, Auto Scaling Servers, Vercel

System Design & Scalability : Load Balancing, Rate Limiting, WebSockets, gRPC, Distributed Systems,

Version Control : Git, GitHub, BitBucket

Coding Profiles

Leetcode https://leetcode.com/u/akash99$_o$fficial

GFG https://www.geeksforgeeks.org/user/akash99official

HackerRank https://www.hackerrank.com/profile/akash99$_o$fficial