

Akash Chourasia

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PROFESSIONAL SUMMARY

Senior Full-Stack Engineer with 5+ years of experience designing and architecting scalable, distributed SaaS platforms. Proven expertise in system design, performance optimization, and backend architecture, successfully scaling applications from 200 to 10,000+ concurrent users. Strong background in React (frontend) and Node.js/Python (backend services), with hands-on experience in microservices, async processing, RBAC, and cloud-native systems. Passionate about building resilient, high-availability systems with measurable business impact.

SKILLS AND STRENGTHS

- **Languages:** JavaScript (ES6+), TypeScript, Python, PHP, C#
- **Frontend:** React.js, Next.js, Redux, Tailwind CSS, Material UI, HTML5, CSS3
- **Backend:** Node.js (Express, Fastify), Python (FastAPI, Serverless Functions, AI Integrations), Laravel, REST APIs, JWT, OAuth2, Microservices
- **Databases:** PostgreSQL, Supabase, MySQL, MongoDB, Redis, Neo4j
- **DevOps & Cloud:** AWS, Azure, Docker, Nginx, CI/CD (GitHub Actions, Jenkins)
- **AI & Automation:** OpenAI API, Gemini API, AI-powered Summarization, Workflow Automation, Stock Market Prediction (M.Tech Research)
- **Tools:** Git, GitHub, Postman, VS Code, Figma, JIRA
- **Core Strengths:** System Architecture, Performance Optimization, RBAC, Scalable SaaS Design, Cross-functional Collaboration

WORK HISTORY

Software Engineer 2 | Zoop.One | Oct 2024 – Present.

- Architected and redesigned system infrastructure to support high concurrency (200 → 10,000+ active users) using scalable backend services in Node.js and Python.
- Designed distributed, async processing pipelines to decouple critical workflows and improve system reliability.
- Implemented microservices-based backend architecture with RESTful APIs and secure RBAC authorization layers.
- Improved database performance through query optimization, indexing strategies, and caching mechanisms (Redis).
- Optimized React-based frontend rendering and state management to improve application responsiveness by 40%.
- Strengthened authentication, authorization, and secure multi-tenant access control.
- Collaborated in architectural discussions, evaluating trade-offs between monolithic vs service-based design approaches.

Software Engineer 2 | Equipped Analytical Intelligence (Minerva) | Nov 2021 – Sept 2024.

- Developed and scaled backend systems using React.js and Node.js, improving overall user engagement by 30%.
- Optimized database queries and backend logic, reducing response times for IRC and portfolio monitoring systems by 15%.
- Architected and delivered an AI-powered meeting summarization module using OpenAI, attracting two new enterprise clients.

- Worked closely with product, design, and QA teams to deliver high-quality features under tight deadlines.

Software Developer | Sysorex Innovator Edge | Oct 2020 - Nov 2021.

- Delivered full-stack solutions using **React.js, Node.js, Laravel, and Flutter** for web and mobile platforms.
- Built a **Laravel-based CRM system** to streamline HR processes, improving efficiency by **40%**.
- Developed a React-based onboarding portal, reducing onboarding time by **30%**.
- Contributed across the full development lifecycle, from requirement analysis to production deployment.

Full-stack Intern | Bharti Infotech & Services | (May 2019 – Nov 2019).

- Contributed to multiple development projects, assisting in application design, development, testing, and maintenance.
- Gained practical exposure to real-world software development practices and production systems.

EDUCATION

Master of Technology (M. Tech.) in Computer Science & Engineering | Chouksey Engineering College (Bilaspur, C.G.) | **May 2022 – May 2025**

Bachelor of Technology (B.Tech.) in Computer Science & Engineering | Chouksey Engineering College (Bilaspur, C.G.) | **May 2016 - May 2020**