Md Adil

Self-taught Software Engineer

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🎓 EDUCATION

SOFTWARE ENGINEERING
School of Internet
2010 – Present

BACHELOR OF COMMERCE
University of Delhi
2010 – 06/2013

⊷ STRENGTHS

- System Design & Architecture
- Technical Leadership
- DevOps & Automation
- Open-Source Mindset
- Fast & Self-Directed Learner

🌐 LANGUAGES

Hindi ● ● ● ● ●
English ● ● ● ○ ○

⚙ REFERENCES

Abhishek Prakash,
Senior Software Engineer,
Razorpay
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Senior Software Architect with **11+ years** of hands-on experience building *scalable*, *high-performance* systems. Specializes in **distributed systems**, **clean architecture**, and writing *reliable, production-ready code*. Passionate about solving complex engineering problems and modernizing large codebases.

💼 EXPERIENCE

Sr. Software Architect
Bajaj Finserv Health ⎋
01/2020 – Ongoing | Pune

- Led Smart Reports & OCR squads using Agentic AI to automate medical data extraction.
- Built "Capsule", the company-wide design language system, achieving **99% Lighthouse** score.
- Introduced **ArgoCD GitOps**, **micro-frontends**, and **Next.js**, modernizing frontend architecture.
- Reduced deployment time by **80%** and ACR size by **99%**, achieving major cost optimization.
- Designed reusable React components/hook library adopted across all teams.
- Establishing coding guidelines and ensuring adherence to them throughout the organization.

Tech Lead & Full Stack
BigRadar ⎋
04/2017 – 10/2020 | Delhi

- Built full SaaS product end-to-end (architecture, backend, frontend, deployments).
- Created custom MongoDB ORM, reducing repetitive code **40–50%** and improving API consistency.
- Optimized Express.js wrapper, cutting response latency **20–30%**.
- Shipped features rapidly with founders, improving release velocity and onboarding early customers.

  Tech: Node.js, React, TypeScript, MongoDB, Ant Design

Sr. Software Engineer
Edunuts
08/2015 – 04/2017 | Delhi

- Modernized legacy stack by introducing **Laravel & Slim**, improving development speed and maintainability.
- Optimized MySQL schema/indexing, boosting query performance and reducing load failures.
- Improved engineering workflow with coding standards and modular architecture.
- Supported product decisions with scalable tech choices.

  Tech: PHP, Laravel, Slim, MySQL, Node.js, MongoDB

Capsule (an in-house UI component library)
Architected a scalable UI system adopted across all BFL products; achieved **99% Lighthouse** score.

Cloud-Native Architecture
Designed high-scale (1M+ users) microservices platforms with full GitOps (ArgoCD), Kubernetes, and end-to-end observability.

Developer Tooling
Built open-source frameworks like MinimaJS used across teams and 15+ NPM packages.

🎸 HOBBIES & INTERESTS

Movies & Storytelling
I appreciate well- crafted narratives, which also inspires my interest in user experience and product design.

Logic Puzzles Brain Teasers
Keeps my problem-solving sharp and helps me think outside the box in debugging and systems design.

✏️ CASE STUDIES

PHP-FPM → Laravel Octane Migration
EdTech Platform
- **Challenge:** Slow PHP-FPM responses (800ms avg), poor concurrency, and high CPU usage.
- **Solution:** Migrated platform to Laravel Octane + Swoole with coroutine execution and process-level caching.
- **Outcome:** Response time improved to **40–60ms**, **5×** concurrency, and **30–40%** infra cost reduction.

Monolith → Microservices Migration
EdTech & SaaS Platforms
- **Challenge:** Monolithic system caused scaling issues, slow deployments, and release bottlenecks.
- **Solution:** Executed strangler-fig migration to microservices with Kubernetes, full CI/CD, and observability.
- **Outcome:** Achieved fault isolation, independent service-level scaling, and faster, autonomous deployments.

Real-time Observability Platform
Clients
- **Challenge:** No visibility into distributed systems; MTTR exceeded 4 hours during critical failures.
- **Solution:** Built full observability stack with Grafana, Loki, Tempo, Prometheus, and centralized logging.
- **Outcome:** MTTR reduced to **<30 minutes**, achieved **99.99% uptime**, and enabled proactive issue detection.

🧠 TECHNOLOGY

Frontend ● ● ● ● ●
TypeScript • React • Next.js • Vue.js • WebSocket • WebRTC • CSS • Tailwind

Backend ● ● ● ● ●
Node.js • PHP • Go • Python • Microservices • Nest.js

DevOps / Cloud ● ● ● ● ●
Kubernetes • Docker • ArgoCD • GitOps • AWS • Azure • GCP

Databases ● ● ● ● ●
MySQL • PostgreSQL • MongoDB • Redis

Messaging / Streaming ● ● ● ● ○
Kafka • RabbitMQ • RTMP/HLS

Observability ● ● ● ● ○
Grafana Stack • Prometheus • ELK Stack

Tools ● ● ● ● ●
Git • Vite • Webpack • Rollup

📂 OPEN SOURCE & PERSONAL PROJECTS

I enjoy building tools that solve real developer problems - this mindset naturally led me to open-source. Notable projects in include:

Yet Another Chatting Software (yacs.in) ⬈
A lockdown project.
Talk to anyone without sharing contacts
Tech stack: Typescript, React, Node.js, MongoDB, Redis, Protobuf

Minimajs ⬈
minima-js.github.io
MinimaJS is a cutting-edge Node.js framework designed to empower developers to construct contemporary web applications with exceptional efficiency.

react-read-otp
Lightweight React hook to auto-read SMS OTP in the browser with one line of code; **1k+ weekly downloads**.