Akash Ojha

Senior Software Engineer

Results-driven Software Engineer with expertise in building scalable applications and optimizing performance across construction, logistics, and finance domains . Skilled in Node.js, React, AWS, Python, Fastapi, Django, and microservices architecture, with a strong focus on database management, code optimization, and team leadership . Passionate about delivering high-performance, innovative solutions.

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🐙 github.com/ojhakash

SKILLS

`Python` `Django` `FastApi` `Javascript` `Typescript` `NodeJs` `NestJs` `ReactJS` `NextJs` `Postgres`

`MongoDB` `Redis` `GIT` `Microservices` `Docker` `Kubernetes` `Elastic Search(ELK)` `Kafka` `SSO`

`CI/CD` `Gitlab CI` `Jenkins` `Nginx` `AWS` `Azure` `Linux` `LangGraph` `Langchain`

WORK EXPERIENCE

Bachelor in Technology(Electronics and Communication Engineering)
Kalyani Government Engineering College

06/2012 - 07/2016

Senior Software Consultant
Verizon

09/2025 - 12/2025   *Hyderabad*

Verizon is a global telecommunications leader delivering wireless, broadband, and digital services to consumers and enterprises worldwide.

Achievements/Tasks

- Contributed to **SDN control-plane services** , supporting network automation, configuration workflows, and system reliability improvements.

Senior Software Engineer
Livsyt

12/2024 - 09/2025   *Hyderabad*

LivSYT is a construction management software company that provides AI-driven solutions to enhance on-site productivity and efficiency.

Achievements/Tasks

- **Designed and implemented** audit tables, leveraging pgBench to benchmark performance with and without database locks, identifying critical bottlenecks and achieving a **2x improvement in query execution speed**.
- **Developed and optimized 50+ complex SQL queries** to generate summarized data for the organization's dashboard , **improving query execution time by 60% and enhancing scalability for datasets exceeding 10 million records.**
- **Optimized SQL queries for dashboard analytics , reducing response latency by 83% (from 60 seconds to 10 seconds)** and enhancing real-time data accessibility for 500+ active users.
- **Designed and implemented** a unit test architecture **covering 100% of critical business logic** , ensuring consistent testing practices, **reducing bug occurrences by 30%** , and improving code **maintainability across 5+ modules** .

WORK EXPERIENCE

Senior Software Engineer
Omnifi

06/2023 - 10/2024   *Kolkata*

Omnifi is a lending SaaS company helping financial institutions serve digital-native customers with solutions for product configuration, loan management, and service.

Achievements/Tasks

- **Improved application performance by 20%** through strategic codebase optimization, refactoring, and design enhancements. **Enhanced system scalability by 30%** by driving architectural improvements using **microservices and cloud-native patterns**.

- **Reduced technical debt by 25%** by leading large-scale legacy code refactoring, improving maintainability and long-term stability.

- **Decreased database query latency by 40%** by implementing Redis caching, significantly improving application responsiveness.

- **Led code reviews** and mentored engineers, **increasing coding standards adherence by 20%** and reducing **production issues by 15%**. Implemented **event-driven architecture using Kafka**, enabling real-time data processing and improving system reliability.

Software Engineer
Janio Asia

01/2021 - 05/2023   *Remote*

Remote Janio is a Singapore-based logistics solutions provider specializing in end-to-end supply chain management and cross-border e-commerce shipping across Southeast Asia.

Achievements/Tasks

- **Engineered and maintained** a high-performance **Django REST API** for a merchant portal , optimizing order management and real-time parcel tracking.

- **Architected and fine-tuned PostgreSQL schemas,** enhancing logistics operations, courier tracking, and large-scale transaction handling.

- **Seamlessly integrated third-party APIs** for real-time parcel tracking, **ensuring 100% accurate status** updates and elevating customer experience.

- **Implemented role-based access control(RBAC)** security protocols, fortifying data protection and streamlining user management within the platform.

- **Optimized API scalability and performance** , **handling 50,000+ daily transactions** across multiple merchant accounts, **reducing query load by 25%** , and **improving response times by 35%** by implementing efficient caching strategies.

- **Proactively mitigated** production issues , achieving **99.9% system uptime** , minimizing downtime, and ensuring seamless business operations .

Software Engineer
Emproto Technologies

05/2019 - 12/2020   *Bangalore*

Achievements/Tasks

- **Developed and maintained** the **Phable healthcare platform** using **Node.js (backend) and React (frontend)** , supporting **10,000+ patients and doctors** for **telemedicine, prescription tracking, and chronic disease management**.

- **Optimized MongoDB performance** , reducing **query execution time by 30%** , ensuring **faster access to patient records, prescriptions, and health reports** , and enhancing **system efficiency**.

- **Built secure RESTful APIs** to integrate **third-party health services and IoT medical devices** , enabling **real-time health monitoring and seamless data synchronization** for **5,000+ medical records**.

- **Optimized MongoDB performance**, reducing **query execution time by 30%**, ensuring **faster access to patient records, prescriptions, and health reports**.

- **Enhanced user experience** by developing a **mobile-friendly interface** in collaboration with **UX/UI designers** , increasing **patient engagement by 50%** , while integrating **payment gateways** for seamless **billing and health service transactions** .

- **Designed and optimized API microservices** for **FundsCorner India** using **Python (Flask) and AWS Lambda**, enabling **scalable and efficient digital lending operations** while reducing **latency and processing time**.

- **Architected and managed AWS infrastructure** , integrating **EC2, Route 53, S3, CloudFront, SQS, Lambda, API Gateway, and IAM** , ensuring **high availability, security, and seamless system performance**.

- **Enhanced system efficiency** by optimizing **PostgreSQL queries and Redis caching** , achieving a **40% reduction in API response times** and improving **loan processing speed**.

WORK EXPERIENCE

FULLSTACK DEVELOPER
PRACKR

07/2017 - 04/2019 *Bangalore*

Achievements/Tasks

- **Developed** a **full-stack Task Management app** with **Node.js, Express, MongoDB (backend)** and **React, Redux (frontend)**, supporting **10,000+ users** across web and mobile.
- **Built** a **React Native mobile version** , ensuring a **seamless cross-platform experience** and increasing **user engagement by 40%**.
- **Scaled** the application to **10,000+ concurrent users** by implementing **Nginx as a reverse proxy** and leveraging **AWS services** like **Route 53 and Auto Scaling Groups (ASG)**.
- **Optimized MongoDB queries** and **enhanced caching** , reducing **query execution time by 35%** and improving **system performance by 20%**.
- **Designed and deployed RESTful APIs** , improving **API response times by 30%** and achieving **99.9% uptime** through **auto-scaling and load balancing on AWS** .

WORK EXPERIENCE

FULLSTACK DEVELOPER
PRACKR

07/2017 - 04/2019 *Bangalore*

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