Nikhil Gada

Software Engineer

+91 99308 81482 • nikhilgada.me

linkedin.com/in/nikhilgada
nikhilgada1482@gmail.com

SKILLS

Python · JavaScript · TypeScript · .NET · PostgreSQL · Redis · React · Angular · Vue · WebSocket
Django · Node · Kafka · Docker · AWS · Grafana · Logstash · Filebeat · ClickHouse · Java

EXPERIENCE

Software Engineer · Oneture Technologies   Aug 2022 - Present

Client: ICICI Securities, CMS Info Systems, Bombay Stock Exchange, NSDL

- Led the **enhancement** of a **stock brokerage platform** for **ICICI Securities**, coordinating **cross-functional teams**, **streamlining workflows**, and successfully meeting all project milestones as a **Project Lead** managing a **team of six**
- Created a **monitoring tool** that tracks **real-time** packets from end-to-end, utilizing **Grafana**, **Logstash**, **ClickHouse**, and **Filebeat** to monitor **packet latency**, downtime, and event-driven alerts
- Developed a **streaming application** in .NET 6 to stream **global index data** from exchange to downstream, Increased packet streaming capacity from **40k to 85k packets/sec**, improving system **performance** and **reliability**
- Engineered **Video KYC** onboarding with **JavaScript** for **India's 2nd largest private bank**, enabling **3,000+ monthly NRI users** to sign up through **ICICI Securities**, and boosted overall platform onboarding **efficiency by 3X**
- Developed **eSign** functionality for **NSDL** in an **Angular** application, enabling **USB token-based signing** and **certificate verification** via browser
- Redesigned an **SDK** in **.NET** for **real-time subscription** of market data, significantly improving data access and processing efficiency, and enabling integration with **3 clients'** platforms within a month
- Enhanced **ATM security system** availability by **15%** by upgrading a **Vue.js** application to enable uninterrupted 24/7 security streaming
- Integrated **trading strategies**, improved **test coverage from 64% to 95%,** and optimized the **Python SDK** for stock broking applications, increasing **monthly active users from 1k to 4.5k** and **overall active users from 19k to 46k**
- Utilized **WebSockets** and **async programming** to enhance system responsiveness and scalability in high-concurrency environments

System Engineer · Tata Consultancy Services   June 2021 - Aug 2022

- Improved application security by implementing a **new feature** to protect against a severe vulnerability in **One Time Password** functionality, **enhancing data protection** and **user trust**
- Delivered dynamic web pages by coding action classes in the **Struts framework**, utilizing **Java**, **JSP**, **JavaScript**, **CSS**, and **HTML** to meet client requirements
- Provided ongoing support to **database** and **application users**, ensuring **uninterrupted decision-making processes** and resolving issues efficiently
- Facilitated project delivery by collaborating with business teams to plan requirements, set timelines, and execute development tasks, ensuring **on-time delivery** and **meeting client expectations**
- Selected as **Lead** during ILP to perform and oversee design tasks, **demonstrating leadership** and technical expertise

EDUCATION

Bachelor of Engineering · Computer Engineering · University of Mumbai   June 2017 - May 2021

ACHIEVEMENTS

Oneture Technologies · 3-time Star Performer · Recognized for Leadership & Outstanding Performance	Present
AWS · Certified Cloud Practitioner · Foundation Certification	Apr 2024
TCS · Codevita Rank – Top 15% · Coding Competition	May 2021
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IIT Bombay · Gold Medalist · Python Programming · Competitive Exam	Feb 2020