Nikhil Gada

Software Engineer

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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**
- Developed a **real-time stock feed monitoring system** using **React** and **Flask**, integrating **RESTful APIs** to fetch token mappings, historical logs, and **stock data** for seamless frontend-backend communication.
- Enhanced **ATM security system** availability by **15%** by upgrading a **React** application to enable uninterrupted 24/7 security streaming
- 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**
- Redesigned an **SDK** in **Java** for **real-time subscription** of market data, significantly improving data access and processing efficiency, and enabling integration with **3 clients'** platforms within a month
- Utilized **WebSockets** and **async programming** to enhance system responsiveness and scalability in high-concurrency environments using **Node**
- Developed a **Python SDK** integrating **Breeze Connect** and **Backtrader** for seamless **backtesting** of historical and real-time market data resulting in accelerated **trading strategy** development
- Developed **eSign** functionality for **NSDL** in an **Angular** application, enabling **USB token-based signing** and **certificate verification** via browser, with backend logic powered by **SQL stored procedures** and **triggers**
- 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**

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
- Automated critical backend workflows using **Python scripts**, reducing manual intervention and accelerating data processing by over 40%
- 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 and Outstanding Performance   Present

AWS · Certified Cloud Practitioner · Foundation Certification   Apr 2024

TCS · Codevita Rank – Top 15% · Coding Competition   May 2021

IBM · Participant · Smartbridge Hackathon   June 2020

IIT Bombay · Gold Medalist · Python Programming · Competitive Exam   Feb 2020