Iqbal Hussain
Senior Full-Stack Developer

Senior Full-Stack Developer with a Master's in CS and 10+ years of experience. Architected multiple production platforms from scratch, including an ecosystem scaled to 300,000+ users. Deeply experienced in Python and distributed systems, with strong practical web and mobile capabilities (React, Next.js, Flutter).

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TECHNICAL SKILLS

Languages	Python, JavaScript, Dart, Java, Bash	**Cloud & DevOps**	AWS, GCP, Kubernetes, Docker, Jenkins, Nginx
Backend	Django, Django REST Framework, Celery, Elasticsearch, Pandas	**Databases**	PostgreSQL, MongoDB, Redis, Memcached, RabbitMQ
Frontend	React.js, Next.js, React Native, Flutter, Astro	**Tools**	Git, Selenium, Puppeteer, WebSockets, Payment Gateways

WORK EXPERIENCE

Founding Engineer & Technical Lead (Remote)
WORK JAPAN

08/2018 - Present   *Tokyo, Japan*
Job search and HR platform for the foreign workforce in Japan.

Key Contributions

- Served as the foundational engineer, architecting and developing the core backend from scratch to scale the platform to over 300,000 users.
- Ensured 99.9% application availability and managed platform deployments over eight years.
- Built the initial employer web application using React.js to successfully onboard early paying customers before expanding the frontend team.
- Engineered a core interview scheduling system that allowed job seekers and employers to seamlessly manage and propose interview times through the platform.
- Designed and built a secure backend for the company spin-off (Metaverse Job Japan), automating crypto wallet creation and NFT transfers for thousands of monthly blockchain transactions.

Full-Stack Engineer
Edelweiss Broking Ltd.

05/2016 - 07/2018   *Bengaluru, India*
Major Indian financial services and investment enterprise.

Key Contributions

- Managed the technical acquisition of WealthPack (50,000+ users), executing a complete backend migration from AWS to Edelweiss' in-house servers with under 30 minutes of downtime.
- Developed a multithreaded Python service to clean and ingest frequently updating stock market data from FTP directories into the database during active trading hours.
- Built a real-time server monitoring tool using WebSockets and GoAccess to track Nginx requests across multiple servers and identify performance bottlenecks.
- Developed RESTful APIs using Java and Spring Boot to support separate enterprise financial projects within the broader corporate ecosystem.

WORK EXPERIENCE

Backend Developer
WealthPack

03/2015 - 04/2016 *Gurugram, India*

Fintech startup developing an automated expense management app (acquired by Edelweiss).

Key Contributions
- Architected and developed the primary Python and Django backend from scratch, acting as the sole backend engineer during the foundational stage.
- Created RESTful APIs consumed by the Android application and implemented secure token-based user authentication using Django REST Framework.
- Built web scraping and data extraction pipelines using Selenium and BeautifulSoup to automate data collection workflows.
- Set up the initial AWS infrastructure and configured background task processing using Celery and Redis.

Backend Developer
Empower Futures

11/2014 - 03/2015 *Ahmedabad, India*

Edtech startup developing a web-based college reviewing platform.

Key Contributions
- Developed RESTful APIs using Python and Django REST Framework to power the core frontend web application.
- Implemented secure user authentication and managed foundational database operations using PostgreSQL.
- Integrated third-party services, including Google Maps API, Facebook Graph API, and Firebase for real-time user notifications.
- Wrote Python scripts to extract, clean, and load bulk educational data from spreadsheets directly into the database.

EDUCATION

Master of Technology in Computer Science
CVR College of Engineering

11/2012 - 11/2014 *Hyderabad, India*

Bachelor of Technology in Computer Science
Jawaharlal Nehru Technological University

05/2008 - 06/2012 *Hyderabad, India*

PERSONAL PROJECTS

Geophrase: Geospatial & Smart-Address Ecosystem (05/2025 - Present)
- Built a full-stack logistics SaaS (Django, React, Next.js, Flutter) to solve India's unstructured addressing via precise coordinate capture.
- Architected an in-house reverse-geocoding engine, completely bypassing expensive third-party APIs to enable a flat-fee pricing model
- Developed a high-throughput data pipeline to ingest and index nationwide geographical boundaries for low-latency spatial queries.

INTERESTS

Astronomy   Physics   Photography   Electronic Music   Renewable Energy