

Abhishek Chougule

Pune, India

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Senior Full Stack Developer specializing in real-time trading systems, microservices architecture, and scalable SaaS platforms. Experienced in building low-latency systems, broker integrations (FIX, MetaTrader 5), and full-stack applications using Python, Go, React, and Frappe.

Professional Experience

Techbird IT Services Pvt. Ltd.

Senior Full Stack Developer - Project Lead

Jun 2024 - Present

Pune, India

- Leading development of **real-time trading** and **order execution** systems handling **high-frequency real-time data streams** (10K+ ticks/sec)
- Architected and implemented **scalable microservices** using **Python and Go**, improving system modularity and performance.
- Built **high-performance React dashboards** and **Frappe-based admin modules** for trading operations and back-office workflows.
- Integrated **MetaTrader 5** and **FIX Protocol** for seamless broker connectivity and trade execution.
- Designed and deployed **CI/CD pipelines** and managed **Linux infrastructure**.
- Mentored engineers and led end-to-end **project delivery and technical decision-making**.

OneHash

Software Developer - Senior Executive

Jul 2023 - Mar 2024

Bangalore, India

- **Engineered a SaaS subscription-based platform** with a trial feature, improving user onboarding and product adoption.
- Developed full-stack features using **JavaScript, Python, and Frappe**, including a centralized admin panel for platform control.
- Managed and optimized **AWS infrastructure**, ensuring high availability and scalability of production systems.
- Implemented **CI/CD pipelines and DevOps workflows**, reducing deployment time and improving system stability.
- Conducted **VAPT (Vulnerability Assessment and Penetration Testing)** to identify and mitigate security risks.

Quantbit Technology

Software Developer - Full-Stack

Jul 2022 - Jul 2023

Sangli, India

- Designed and enhanced **enterprise applications** for the sugar industry, improving operational workflows.
- Developed **cross-platform Flutter CRM application (iOS/Android)** integrated with REST APIs.
- Built and integrated systems with **biometric devices, weighing machines, and mapping services**, enabling real-time data processing.
- Delivered multiple **full-stack web applications** using Python, JavaScript, and Frappe.

Wipro

Mar 2022 - Jul 2022

- **Built an automated travel agency management system**, streamlining booking, invoicing, and customer data handling.
- Reduced manual effort and improved operational efficiency through process automation.
- Gained hands-on experience in **Java/J2EE and web development technologies**.

Education

Annasaheb Dange College of Engineering and Technology

Bachelor of Technology in Computer Science and Engineering (SPI of 9.46)

Aug 2019 - May 2022

Sangli, India

Maharashtra State Board of Technical Education

Diploma in Computer Engineering (Percentage of 81.81)

Aug 2016 - Jun 2019

Sangli, India

Academic Projects

Future Of Fitness With Ai Integration [Fitness Pro]

Aug 2021 - May 2022

- Fitness Pro is an Android Application created to monitor everyone's health.
- It provides real-time workout detention with the help of PosNet and TensorFlow.
- Workout Data can be really handy to track and monitor workout data.
- Tech Stack: Flutter, MYSQL, PosNet, Deep Learning and Machine Learning.

Animal Classification

Apr 2021 - May 2021

- This project makes use of machine learning algorithms to classify animals based on their characteristics.
- After performing experiments and analysis from all points of view, we got the optimal result by considering accuracy criteria.
- Tech Stack: Machine Learning, Python.

Key Skills

- **Skills**: System Design & Architecture, Problem Solving & Analytical Thinking, Adaptability to Emerging Technologies, AI Generalist, Context-Aware Prompt Engineering
- **Languages**: Python, JavaScript, Typescript, SQL, Go, MQL, Lua, HTML, CSS, C++, C, Java
- **Libraries/Frameworks**: React, Flutter, Frappe, ErpNext, Bootstrap
- **Database**: Firebase, MariaDB, MySQL, Query Optimization & Indexing, Data Modeling & Schema Design
- **AI Tools**: Claude CLI, KiloCode, RooCode, Kimi, Google AI Lab Tools
- **Tools / Platforms**: AWS, Git, Linux(WSL, Ubuntu), Windows, GitHub, Antigravity, Cursor, Visual Studio Code, *Postmen, Putty*
- **Others**: DevOps, CI / CD, Git Actions, OOPS, Rest API, Nginx, Supervisor, WebSockets / Real-time Systems, Redis / Caching Systems, Microservices Architecture, Security Practices
- **SE Fundamentals**: Data Structures & Algorithms, OOPs Concepts, DBMS Concepts, API Design Principles, Code Optimization & Refactoring

Achievements and Certifications

- **Google DeepMind Hackathon - Kaggle.** [MindsPeace - The AI Mental Health Companion](#)
- **Execution Excellence Award** - Techbird IT Services Pvt. Ltd. for best Solution and Delivery Execution Excellence.
- **Presented a Guest Lecture** in PVPIT, Budhgaon on the topic of "**Android Development and Journal Publishing**". (04/2022)
- Published Paper on **Grenze International Journal of Engineering and Technology** (GIJET) - Future of Fitness with AI. (07/2022)

- Fuel - AI with Python Training (09/2022 - 10/2022)
- HCL - Training on Cloud Native One DB (02/2022 - 04/2022)

Profile Links

- [GitHub](#)
- [Google Play Store – My Apps](#)
- [LinkedIn](#)

Interests

- DevOps
- Problem Solving
- Product Development