

DEVARSHI PATEL

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Experience

PRE-SALES ENGINEER (Full Stack Developer)

July 2022 - Present

Fair Isaac Corporation (FICO) | <https://www.fico.com/>

(Bangalore)

- Engineered a comprehensive Full Stack Application for the banking sector, showcasing a 10% improvement in application performance and response times.
- Key functionalities included Loan Origination System (LOS), Loan Affordability, Fraud Application, Cross-Sell, Limit Management, and Authorization, Next Best Actions, Expected Credit Loss
- Played a key role in database normalization efforts, which enhanced query speed by 8% and improved data management efficiency.
- Developed and implemented robust Java-based RESTful APIs and optimized SQL queries, improving data retrieval speed by 20% and boosting backend efficiency.
- Built an Application Fraud solution by configuring key components such as Hotlist, Identity Resolution Engine (IRE), Process Orchestrator, and Decision Engine.
- Enabled real-time fraud detection for loan applications, improving risk assessment and decision accuracy.
- Integrated third-party APIs and internal services to support feature development and ensure reliable communication between microservices
- Played a pivotal role in backend testing and debugging using JUnit and Postman, ensuring early defect resolution. Contributed to a 6% increase in efficiency and a 15% reduction in post-deployment issues.

FULL STACK DEVELOPER (Intern)

March 2022 - May 2022

MedPiper, Inc | <https://www.medpiper.com/>

(Work from Home)

- Modernized and redesigned the organization's landing page using Next.js, Redux, and Material UI, improving load speed and responsiveness by 8%. Built responsive UI components and integrated third-party APIs, contributing to feature-rich, cross-platform web experiences
- Optimized backend SQL queries and debugged existing logic under mentor guidance, increasing overall system efficiency and maintainability
- Collaborated with two dev teams across projects, managing tasks with Git and Jira in Agile sprints, and improving code quality through testing and refactoring.

Projects

AI-enabled FinTech B2B Invoice Management System: Trained an XGBoost model to predict invoice due dates using transactional data. Built a scalable backend with Java Servlets and MySQL to expose predictions via REST APIs.

SocioPedia: Developed a full-stack MERN social media app with authentication, content feeds, and real-time UI updates. Improved user experience using Redux, Sass, and Axios with Git-based collaboration.

Baka: Designed and developed a secure backend for a dating application using Spring Boot, Spring Security, and JWT. Built RESTful APIs for user authentication, profile matching, and role-based access control using MySQL.

Sudoku: Created an interactive Sudoku game using ReactJS, Sass, and Framer Motion. Designed a sleek and intuitive UI for seamless user engagement.

Technical Skills

Languages & Tools: Java | Python | C++ | JavaScript | TypeScript | SQL | Git | Docker

Frameworks & Libraries: Spring Boot | ReactJS | NextJS | NodeJS | OpenCV | TensorFlow | Numpy | Pandas | XGBoost

Databases & Platforms: MySQL | MongoDB | Linux | GitHub | Agile | Jira

Education

Chandigarh University

July 2019 - July 2023

Bachelor of Engineering in Computer Science | Cumulative GPA : 7.6
(Specialization : Artificial Intelligence and Machine Learning)

Mohali, Punjab