Rutuja Shukla

Senior Software Developer, Barclays

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🌐 Fluent in English and Hindi   🛂 Nationality: Indian   ☑ Ok to relocate to UAE as soon as possible

PROFESSIONAL SUMMARY

Senior Software Engineer with 3+ years of experience delivering enterprise-grade software in banking and financial systems. Strong background in backend engineering, full-stack development, API development, system integration, microservices, SQL, and Agile delivery. Experienced in UI development using Angular and in building full-stack applications with Node.js, following modern API standards and high-quality code practices. Known for translating complex business requirements into scalable technical solutions, improving system performance, and collaborating effectively with cross-functional engineering teams.

CORE TECHNICAL SKILLS

Programming Languages: C#, SQL, Python, C++, C
Backend & Frameworks: .NET Core, Microservices Architecture, REST APIs, Entity Framework
Frontend: Node.js, Angular, HTML, CSS, JavaScript
Databases: SQL Server, PostgreSQL
Data Science : Data Analytics, Data Visualization, Machine Learning (Deep Learning, Natural Language Processing)
Tools: Swagger, Insomnia, Postman,Visual Studio, VS Code, Git, Jira
Other: Agile Development, Unit Testing, CI/CD, AI/ML System Integration, Requirements-to-Architecture Mapping
Soft Skills: Analytical Thinking, Communication, Problem Solving, Leadership

PROFESSIONAL EXPERIENCE

Barclays

Barclays is a 325+ year-old global financial services MNC offering retail, corporate, and investment banking worldwide.

○ **Barclays, Senior Business Analyst (Senior Software Developer)**   **April 2025 - Present**
Pune India
- Led end-to-end development and enhancement of internal risk, finance, and treasury applications, collaborating closely with engineering teams to design scalable backend modules.
- Converted complex functional requirements into detailed technical specifications, API contracts, data models, and integration workflows.
- Designed and supported microservices and API components used across risk and treasury platforms, ensuring performance, maintainability, and adherence to coding standards.
- Performed system analysis for large distributed systems, recommending architectural improvements involving caching, asynchronous messaging, and optimized SQL queries.
- Coordinated with QA, DevOps, and product teams to enable seamless deployments, perform UAT validations, and ensure compliance with banking standards.
- Participated in code reviews, sprint planning, and Agile ceremonies, ensuring consistent delivery of high-quality software artifacts.

○ **Barclays, Business Analyst (Software Developer)**   **August 2022 – March 2025**
Pune, India
- Collaborated with software engineers to create API specifications, authentication flows (OAuth, Bearer), and data integration pipelines for risk and regulatory systems.
- Designed SQL queries, transformation logic, and backend workflows to support reporting and analytical modules.
- Interpreted business requirements into system diagrams, sequence flows, and interface design documents used directly by development teams.
- Worked closely with engineering to troubleshoot production defects, debug data flow issues, and propose technical fixes.
- Contributed to testing strategies, including functional testing, API validation, and regression coverage for new releases.
- Ensured solutions followed security, performance, and compliance guidelines required in enterprise banking software.

⬈ **Starling Solutions — Artificial Intelligence Intern**   **Feb 2021 – May 2021**
Mumbai, India
- Led the ML track during a 4-month internship, delivering a full AI solution using IBM Watson under mentorship from Starling Solutions.

EDUCATION

⬈ **Bachelor of Technology (B.Tech) — Computer Science & Technology | CGPA - 9.21**   **2018–2022**
Mumbai, India | Graduation Date: June 2022
Usha Mittal Institute of Technology, SNDT University

PROJECTS

⬈ **Sentiment Analysis** : Built an ML model that accurately classifies positive and negative reviews by applying NLP preprocessing and supervised learning techniques

⬈ **Stock Prediction :** Developed a forecasting model that predicts future stock values using regression algorithms and historical market data analysis.

⬈ **Clustering Geolocation Data :** Created an interactive geographic clustering system that reveals regional patterns using K-Means and Python-based visual analytics.

⬈ **Handwritten Digit Recognition :** Implemented a neural network solution that identifies handwritten digits with high accuracy using the MNIST dataset and deep learning techniques.