


TANMAY SHELAR

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Education

Arizona State University

Master of Science in Computer Software Engineering

August 2024 – Expected May 2026

Tempe, Arizona

Pune University

Bachelor of Engineering in Electronics and Telecommunications

August 2017 – May 2021

Pune, Maharashtra

Technical Skills

- **Languages:** Java, Python, JavaScript, Flutter, Dart, C++, C#, SQL, HTML, CSS, C.
- **Developer Tools:** Git, Snowflake, VS Code, Eclipse, Postman, Jira, Github, Taiga, Xcode.
- **Technologies/Frameworks:** React.js, Node.js, Flask, GraphQL, Django, AWS (Lambda, EC2, S3), Docker, Kubernetes.
- **Core Competencies:** Object-Oriented Programming (OOP), Data Structures, Algorithms, System Design, SDLC.

Work Experience

Zocdoc

August 2021 – July 2024

Senior Integration Support Specialist (Team Lead)

Pune, Maharashtra

- Architected a scalable Client-API audit application to assess data received through **50+ client APIs** into Zocdoc synchronizers, integrating multiple layers from data flow to API calls. Programmed **Javascript** queries to manage logic across different components. Used **Postman** for testing.
- Led and automated the "Unbookables" project, creating a bulk reach-out tool using **Vanilla JavaScript** for the back-end and **HTML/CSS** for front-end email templates. This initiative enabled previously unbookable doctors on the Zocdoc marketplace to become bookable, resulting in over **2,000 appointments** and generating **\$100,000+** in revenue.
- Designed, optimized and documented 30+ complex **SQL queries** for the Product team and the integration support team, serving as a primary point of contact for detailed database extraction from the Zocdoc databases.
- Engineered, maintained and troubleshooted Zocdoc synchronizers (integrations) with **30+ Practice Management systems** and assisted in robust data quality checks, ensuring **99% uptime** of the integrations.
- Served as the primary POC at Zocdoc for generating a comprehensive monthly report, analyzing revenue and appointment data for **100+ clients**; insights from the report directly informed strategic decisions by the Business Development team, C-suite, and product teams.

Escafate

March 2021 – May 2021

Web Developer Intern

Remote

- Implemented and deployed a full-stack web application using **HTML, CSS, JavaScript, .NET Framework**, and **SQL Server** with Entity Framework Core, boosting site traffic by 50%. Deployed on **Heroku**.
- Authored detailed technical documentation, reducing onboarding time for new developers by 10 business days. Also conducted rigorous testing and debugging, cutting post-launch issues by **85%**.

Projects

Healthcare Revamp | Flutter, Dart, SPARQL, Microsoft Azure

December 2024

- Built a web-app for doctors in underprivileged regions, diagnosing **3,000+ diseases** by analyzing **20+ symptoms**, **5+ age ranges**, **2+ lifestyle factors**, and sex.
- Developed a **Flutter/Dart** frontend and **Flask** backend integrated with **SPARQL** queries on **GraphDB**.
- Provided detailed disease insights, including symptom lists, gender prevalence, and age-group statistics.
- Hosted on **Microsoft Azure** for scalability and accessibility in underprivileged regions.

ScrumPlay scrum simulator | Java Swing, Spring MVC

October 2024

- Conceptualized and designed ScrumPlay, a collaborative project management tool capable of storing **100+ user stories** at a time using **Spring MVC** and **Java Swing**.
- Simulated team-based Scrum (**Agile**) processes, including sprints, scrums, sprint planning meetings and generation of burndown charts.
- Enabled live modifications to user stories, fostering interactive engagement and collaborative project management.

Smart Tourism Application | Python, Django, TensorFlow

February 2020

- Formulated a travel planning application using **Python, Django, OpenCV**, and **TensorFlow**, optimizing routes for 50+ locations and recommending nearby hotels, cafes, and restaurants based on user preferences.
- Built an image recognition feature allowing users to scan idols/paintings for details, trained on a dataset of 1,000+ images with **90% accuracy**. Launched the application on **AWS**, enhancing both user experience and scalability.