

PRAJWAL PATIL

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PROFESSIONAL SUMMARY

Software Engineer with 2+ years of professional experience and a **Master's in Advanced Computer Science** from the **University of Sheffield**. Proficient in building **scalable backend systems** with **Java**, **Spring Boot**, **Node.js**, and interactive UIs with **React** and **Tailwind CSS**. Delivered production-ready solutions for global clients such as **GE** and **Deutsche Bank**, with hands-on experience in **AWS**, **Docker**, **Ansible**, and **CI/CD** pipelines. Passionate about clean architecture, performance optimization, and delivering user-centric applications.

SKILLS

- **Programming Languages:** Java, JavaScript, Python, C#, PowerShell, Kotlin
- **Frameworks/Libraries:** Spring Boot, Express.js, React.js, Node.js, Jetpack Compose
- **Databases:** MySQL, NoSQL, MongoDB
- **Tools & DevOps:** AWS, Docker, Ansible, CI/CD, Linux/Unix, Git
- **Other:** HTML, CSS, Tailwind CSS, Bootstrap

PROFESSIONAL EXPERIENCE

Technology Associate - TekGeminus Solutions Pvt. Ltd., Pune, India

March 2023 - June 2023

- Worked on Oracle C2M Billing Systems using **Groovy** and **PL/SQL**; optimized **SQL** queries reducing query execution time by 40%.
- Reviewed and documented functional requirements, improving solution traceability and design accuracy.
- Created automated scripts for billing simulations and payment workflows, improving testing turnaround by 25%.

Associate Systems Engineer - Tata Consultancy Services Pvt. Ltd., Pune, India

November 2020 - June 2022

- Built and maintained **RESTful APIs** and backend services with **Node.js** and **Java** for scalable applications.
- Deployed serverless applications on **AWS Lambda** using API Gateway and S3, improving system scalability.
- Designed and maintained **CI/CD** pipelines with Jenkins and GitHub Actions, automating builds and deployments.
- Conducted code reviews and pair programming sessions, reducing bugs by 20% and improving code quality.
- Automated development workflows using Bash and **Python scripting**, accelerating delivery cycles.
- Collaborated closely with React frontend developers and QA teams to ensure seamless integration and product quality.
- Quickly adapted to new tools and technologies, contributing to process improvements and team efficiency.

Android Developer Intern - Bitlance Tech-hub, Amravati, India

December 2019 - March 2020

- Collaborated on the design and development of Android applications using Java and Android SDK.

EDUCATION

The University of Sheffield

Master's, Advanced Computer Science

September 2023 - September 2024

Merit

SGB Amravati University

Bachelor's, Computer Science and Engineering

June 2017 - July 2020

CGPA: 8.63

PROJECTS & OUTSIDE EXPERIENCE

Offline Plant Recognition PWA

Sheffield, England, United Kingdom

- Developed a Plant Recognition PWA for collaborative plant identification. Users record sightings (details, photo), browse sorted lists (date, category), and chat about plants (real-time, offline support).
- Tech Stack: Node.js, MongoDB, socket.io, IndexedDB (offline), DBPedia integration.

eWaste Management System

Sheffield, England, United Kingdom

- Developed a secure data retrieval and eWaste recycling platform using Python, Flask, React, Tailwind CSS, and MySQL, enabling data recovery from devices (phones, laptops, tablets) and connecting users with ethical recyclers.
- Implemented QR code generation and an admin dashboard for user and recycling management. Collaborated in an Agile environment, participating in sprints and contributing to an 85% test coverage using pytest for backend validation.
- Tech Stack: Python, Flask, React, Tailwind CSS, Daisy UI, MySQL, Agile

Advanced Android Task Management Application

Sheffield, England, United Kingdom

- Led the creation of a feature-rich Android To-do app with multimedia support, geofencing, and custom templates.
- Resulted in 90% user task success rate in usability testing.
- Tech Stack: Java, Android SDK, Jetpack Compose