Aryan Singh

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EDUCATION

Technische Universität Hamburg   October 2024 – Present
Information and Communication Systems   *Hamburg, Germany*
Master of Science

Indian Institute of Information Technology   August 2019 – May 2023
Electronics and Communication Engineering   *Bhopal, India*
Bachelor of Technology   *GPA: 8.93/10*

EXPERIENCE

Working Student - Enterprise Architect   November 2024 – Present
Eppendorf SE   *Hamburg, Germany*
- Identified and resolved inefficiencies in LeanIX workflows by designing and implementing a Python-based automation framework, enhancing data accuracy and reducing manual effort.
- Built a parser to automate SAP LeanIX meta model permissions via LeanIX API, streamlining access management.
- Developed a model for analyzing applications, considering key parameters to prioritize migration, elimination, tolerance, or investment strategies.
- Defined and implemented key performance indicators (KPIs) to track progress and measure success.

Full Stack Developer (Consultant)   July 2023 – September 2024
AST LLC   *Remote*
- Maintained and developed the TaaS team's web portal using Spring Boot and React.
- Led the frontend upgrade for the web portal, updating legacy codebase to use modern React 18+ features such as Functional Components, Hooks etc.
- Automated complex project onboarding process by developing a web-based wizard, saving hundreds of manual hours.
- Introduced functionality to publish and lock a Test Run in real-time from the web portal, which is now utilized by over 29 team members, significantly reducing the time and efforts of the support team.

Full Stack Developer   January 2023 – July 2023
D-WebBox   *Mumbai, India*
- Led the frontend for the FOR ALL COMMUNITY application for Great Place To Work®, built entirely from scratch for Android and iOS platforms.
- Created entire backend system for Prelux Asian Paints from scratch, a feature complete dashboard system for management of contractor meets and events.
- Implemented complex peer scoring mechanism logic at scale for GenWE application.
- Performed code reviews and enhanced the performance of several React Native applications.

React Native Intern   June 2022 – January 2023
D-WebBox   *Remote*
- Enhanced iOS specific features and UX of FIKAA, an application built for investing in the stock market.
- Built Amyraa application from scratch, a cross-plaform E-commerce app built for a jewellery retail and reseller store.
- Helped fix iOS specific bugs in the Great Managers League (GML) app, leading to successful launch of the application.

Frontend Development Intern   October 2021 – June 2022
TravOkarma   *Remote*
- Improved the performance of the User and Creator dashboard section by optimising Network calls and refactoring UI code.
- Added Custom Shimmer loaders to the entire application, revamped UI/UX and transitions.
- Designed and developed several features such as Profile and Blogs section on the app from scratch.

Software Development Intern   October 2020 – October 2021
Remassis   *Remote*
- Developed a cross-platform iOS/Android Online Consultation App in React Native
- Developed and maintained complex back-end systems and microservices in Express/Node.js, GraphQL and MySQL.
- Implemented real-time features of the app such as video call using WebRTC, Notification system using FCM.

Open Source Contributions

Ancient Beast: Open Source Turn Based Strategy Game built in TypeScript.

- Made several contributions to the core features of the game.
- Made styling contributions and resolved visual bugs using Less/CSS.

twenty: A modern alternative to Salesforce, powered by the community. Built using NestJS, React and TypeScript.

- Enhanced frontend side of the application, improving user experience and overall visual appeal.
- Added support for all composite fields in the Excel import wizard.

Projects

School ERP for JMRD, Datia: A full fledged School ERP System, complete with Attendance System, Admin functionality, Notice Board and a Doubts Section. Built on React Native/Node.js/MongoDB.

MovieFinder: iOS app built in Swift and SwiftUI that retrieves movie information from the OMDb API and features an offline watchlist using CoreData.

GuessTheFlag: A fun flag guessing game, built from scratch using Swift and SwiftUI for iOS platform.

Personal website: Personal website that doubles as a portfolio and a blog, built in Jekyll and Markdown, hosted on GitHub Pages.

Technical Skills

Languages: JavaScript, TypeScript, Java, Python, HTML/CSS, Swift

Frameworks: React, React Native, Spring Boot, Node.js, Flask, SwiftUI

Developer Tools: Git, Docker, AWS, VS Code, Eclipse, Xcode, Vim

Soft Skills: Strong problem-solving and critical thinking, effective team collaboration, diligent work ethic, exceptional verbal and written communication.

Achievements/Awards

MMVY Scholarship: Received full tuition fee from MP state Government for the entire bachelors course

BN Yadav Memorial Award for School Topper: For highest marks achieved in school

IEEE Hacksagon: Finalist at Hacksagon conducted by IEEE at IIIT Gwalior

Enthu of the Year at D-WebBox: Always in high-spirits and excited about the tasks at hand

Rising Star Award at AST LLC: Awarded for valuable contributions to Automation Cloud Tester (ACT) Web Portal and Support Tools development

Languages

German: Goethe-Zertifikat A2 (Grade: Sehr Gut, Marks: 92/100)

English: IELTS C1 (Band: 8.5/9)

Hindi: Native