

# Aryan Singh

Hamburg, Germany | [singh@aryn.info](mailto:singh@aryn.info) | +49 15510 911854 | <https://aryn.info/> | [linkedin.com/in/zaryanz](https://www.linkedin.com/in/zaryanz)  
[github.com/zaryanz](https://github.com/zaryanz)

## EDUCATION

**Technische Universität Hamburg**  
*Information and Communication Systems*  
*Master of Science*

October 2024 – Present  
Hamburg, Germany

**Indian Institute of Information Technology**  
*Electronics and Communication Engineering*  
*Bachelor of Technology*

August 2019 – May 2023  
Bhopal, India  
GPA: 8.93/10

## EXPERIENCE

**Working Student - Enterprise Architect**  
*Eppendorf SE*

November 2024 – Present  
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.
- 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)**  
*AST LLC*

July 2023 – September 2024  
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**  
*D-WebBox*

January 2023 – July 2023  
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**  
*D-WebBox*

June 2022 – January 2023  
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**  
*TravOkarma*

October 2021 – June 2022  
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**  
*Remassis*

October 2020 – October 2021  
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