

# Yagnik Bharadwa

Software Engineer

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## Education

### IIIT Bangalore

Master of Technology (M.Tech) in Computer Science

Bengaluru, India

2020 – 2022

### Government Engineering College (GEC) Bhavnagar

Bachelor of Engineering (B.E) in Computer Engineering

Bhavnagar, India

2016 – 2020

## Professional Experience

### Software Engineer PAYU

Bengaluru, India July 2022 – Present

- **Key Technologies:** Utilized Vert.x, Kafka, Redis, and MySQL for backend development.
- **Payment Compliance:** Expedited certification for Mastercard 2.2, American Express 2.3.1, and Rupay 2.0 protocols.
- **Success Rate Improvements:** Contributed to a 9% improvement in e-commerce transaction success rates.
- **Risk Engine Integration:** Integrated Risk-Based Authentication with Access Control Server (ACS) enhancing transaction security.
- **APIs for Secure Data Exchange:** Engineered high-performance REST APIs for secure data exchange between banks and ACS, handling over 45k daily requests with an average response time of 40ms.
- **Agile Collaboration:** Developed high-quality software solutions in cross-functional Agile teams.
- **Issuer Integration:** Integrated ACS with bank switch APIs for seamless customer data retrieval and SMS delivery.
- **Production Support:** Actively addressed and resolved production issues for over 25 issuers, ensuring minimal downtime.
- **SSO Implementation:** Implemented Single Sign-On for the admin portal, reducing login time by 50% and improving productivity.
- **Authorization Engine:** Contributed to the design and implementation of the Authorization Engine.

### Research Intern HP Research Center

Bengaluru, India Feb 2022 – June 2022

- Contributed to the Insights Lab by generating valuable insights from analyzed data for small and medium business printers.
- Utilized insights to enhance various departments' understanding of business operations and customer sentiments towards printers.
- Applied customer segmentation to understand the pricing model of the printers.

## Projects

### Old Age Home Management System IIIT Bangalore

- A user-friendly web application for streamlining operations within an old age home and integrating it with essential services like hospitals, cabs, and NGOs for seamless functionality.
- Employed tools and technologies including React.js, Spring Boot, MySQL, Git, Jenkins, Rundeck, Maven, NPM, ELK stack, JUnit, and Docker for robust performance.

## Skills

- **Programming Languages:** Java, JavaScript
- **Technologies:** Spring Boot, Vert.x, RESTful Web Services, React, JDBC
- **Tools:** Maven, Gradle, Jenkins, Git, Sonar
- **Database:** MySQL
- **Other Skills:** Algorithms, Data Structures, Object-Oriented Design, Operating Systems

## Achievements

- Scored 663 in Gate(CS).
- B1 in Cambridge English placement test.
- Awarded by CEO at PAYU for outstanding performance in migration activities.
- Contributed to significant improvements in transaction success rates at PAYU.