# Yuvaraj J

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## EXPERIENCE

**Software Development Engineer II**, *Chronus*                                      Jan 2023 - Present
- Played a key role in developing **4 new feature releases**, significantly improving UI/UX, resulting in an improved System Usability Scale **(SUS) score from 72.6 to 92.1**.
- Developed and tested features using **Ruby on Rails**, ensuring **high-quality code** by writing tests with **Minitest**.
- Managed and upgraded the **cross-platform mobile application using Cordova**, updating to the latest Android and iOS APIs, identifying process-level gaps, and enhancing app stability.
- Optimized front-end performance without scaling infrastructure, reducing global **average page load times from 2.08 to 1.64 seconds** as part of the **Performance team**.

**Software Engineer**, *Casaretail.ai*                                          Aug 2020 - Dec 2022
- Developed **6+ key platform features** using **React.js**, **Node.js**, and **PostgreSQL**, enhancing both front-end user experience and back-end efficiency.
- Implemented and owned **Retensee**, an omnichannel loyalty rewards program with **100k+ active users**, driving customer engagement and retention.
- Advocated for and implemented **test coverage metrics**, improving test coverage from **32% to 73%** within one year, resulting in higher code reliability and fewer production issues.
- **Migrated cloud infrastructure** from **Google Cloud Platform (GCP) to Azure**, optimizing performance and improving scalability.

**Webmaster**, *SVCE ACM Student Chapter*                                       May 2019 - Apr 2020
- **Led a web development team of 9 members** for the SVCE ACM Student Chapter, overseeing project planning, task delegation, and execution to **enhance the chapter's online presence and user experience**.
- Created and maintained the official website and hackathon registration website for the chapter.
- Organized **10+ workshops and technical events** with an aggregate participation of **1500+ students**.

**Software Developer Intern,** *(Komparify)*                                    May 2019 - Aug 2019
- Worked on porting **Flixjini mobile app** for various TV platforms like FireTV, Android, and Apple.
- Used **REST APIs** for the TV apps functionality.

## TECHNICAL SKILLS

**Languages**: Ruby, Javascript, Python, SQL, HTML, CSS
**Web Technologies**: Rails, Django, React, Node, jQuery, Bootstrap, Tailwind

## PROJECTS & WORKS

**Regional Library Management Software -** Repository
- Built a **library management software** using **Rails, Stimulus, PostgreSQL, and Heroku**.
- Developed functionalities to manage books, members, and book rentals along with **full-text search** and ability to support multiple languages with **i18n**.
- Actively used by a library with **500+ members**.

**Midday-meals monitoring using Meraki MV Sense - SIH Project** - Repository
- **Led a team of 6** to coordinate between ML, mobile app, and backend of the project.
- Created REST API using **Django REST framework** to be consumed by the mobile app and ML module.
- Set up and managed **MQTT brokers** to communicate between Meraki MV Sense camera and ML module.
- **Won the Smart India Hackathon** and a cash prize of **₹100000** for this project.

**Open Source Contributions**
- **Joplin** - [Merged] API: Fix tags update on updating a note
- **Joplin** - [Merged] Desktop: Use system keychain for storing passwords
- **Joplin** - [Merged] CLI: Implemented configurable layout for terminal
- **PostHog** - [Merged] Adds password reveal functionality to password inputs.
- **PostHog** - [Merged] Allow duplicating dashboards. Recognized as the community MVP.
- **Discourse** - [Merged] FIX: Notify mailing list subscribers on category change

## EDUCATION

**Sri Venkateswara College of Engineering, Chennai, India**                          GPA: 8.9/10.0
Bachelor of Engineering, Computer Science and Engineering

Coursework: Programming and Data Structures, Design and Analysis of Algorithms, Operating Systems, Computer Architecture, Machine learning, Internet Programming, Artificial Intelligence, Information Retrieval Techniques.