

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.
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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** - [\[Open\]](#) FIX: Notify mailing list subscribers on category change
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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.