

Sujith Kumar Thankaraj

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SUMMARY

Full Stack Engineer with 3+ years building web applications using React, TypeScript, Node.js, Ruby on Rails and PostgreSQL. Built tools that process large datasets, improve system performance and support fast product iteration. Worked closely with design and product teams to deliver features used daily by banks and external stakeholders

PROFESSIONAL EXPERIENCE

Yubi (formerly CredAvenue), Senior Software Engineer / Chennai, India

Oct 2022 – Dec 2023

Skills: React.js, Ruby on Rails, Node.js, AWS, PostgreSQL, MongoDB, Redis

- Increased API throughput by 60 percent by developing a Rails microservice for payment operations with optimized PostgreSQL schemas and deploying on AWS EKS to support horizontal scaling
- Migrated a legacy React.js codebase from v16 to v17 by enforcing TypeScript adoption, refactoring outdated modules and mentoring 3 engineers, increasing maintainability and expanding test coverage
- Built a Rails microservice for payment operations as part of a service-oriented architecture, optimizing PostgreSQL schemas and deploying on AWS EKS to boost API throughput by 60 percent and support future scaling
- Improved loan data processing speed by 45 percent by automating Excel-to-CSV conversion using Python, AWS Lambda and Fargate, used to parse large volumes of loan records into the system for further processing

Yubi (formerly CredAvenue), Software Engineer / Chennai, India

Oct 2020 – Sept 2022

Skills: React.js, Ruby on Rails, Node.js, AWS, PostgreSQL, MongoDB, Redis

- Developed a spreadsheet-style UI in React.js with AG Grid to validate pools of 50K+ loan records at once, reducing manual data errors and improving workflow accuracy across financial operations
- Delivered a Node.js service with Express and AWS S3 to handle large file uploads, reducing backend load by 30 percent and improving overall system stability during peak usage
- Increased regression test coverage to 70 percent by implementing automated tests with React Testing Library and Mocha, improving reliability and reducing frontend release issues
- Collaborated cross-functionally with PMs, QA and design in agile sprints to align usability goals, boost delivery velocity and launch features tied to funnel optimization and user retention

CodingMart Technologies, Product Development Engineer Intern / Coimbatore, India

Sept 2019 – Aug 2020

Skills: React.js, Node.js, Angular, Golang, Ruby, HTML, CSS, Prisma, Sequelize

- Built a scheduling and tracking module for a hospital management system using React, Node.js, Prisma and PostgreSQL, reducing appointment errors and enabling real-time visibility of patient and staff data
- Streamlined the hiring process by 35 percent by designing and implementing a React and Node.js web app for a university platform, improving applicant data flow and reducing manual review effort
- Set up CI/CD pipelines using Docker and Git to automate deployments, reduce integration issues and speed up development cycles across the team

PROJECTS

PingPong App, Developer / Binghamton, NY

May 2024

- Created a mobile application with Java and Kotlin to validate IP addresses in real time, upgrading user experience by adding result history, bookmarking and quick access to past entries

Real Time Chat Application, Developer / Binghamton, NY

May 2025

- Launched a real-time chat app on React, Node.js, Socket.IO and Firebase with OAuth and JWT-based SSO. Improved UX with typing indicators, unread badges and responsive layouts for smooth cross-device communication

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, Python, Ruby, Java, C, HTML5, CSS3

Frameworks & Libraries: React.js, Redux, Node.js, Express.js, Ruby on Rails, GraphQL, Tailwind CSS, RSpec, Jest, Next.js

Databases: PostgreSQL, MongoDB, Redis, MySQL

Tools & Platforms: Amazon Web Services, Kafka, GitHub, Jenkins, CI/CD, Figma, REST APIs, Docker, JIRA, Amplitude

Development Practices: TDD, Agile, A/B Testing, Accessibility (WCAG), Performance Profiling (Lighthouse, Sentry)

EDUCATION

Master of Science in Computer Science - Binghamton University, State University of New York

Aug 2025

Bachelor of Technology in Information Technology - Bannari Amman Institute of Technology

June 2020