

Melvin Mathew

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Summary

Software Engineer with 4+ years of experience building scalable web applications using Ruby on Rails, JavaScript, and ReactJS. Proven ability to improve application performance and deliver high-quality, test-driven software. Strong collaboration and problem-solving skills with experience working directly with reputed clients.

EXPERIENCE

BigBinary - Kerala, India

Software Engineer

July 2021 – Present

- Led end-to-end development of a critical feature suite for a large enterprise client, resulting in 20% faster transaction processing compared to legacy systems.
- Optimized critical database queries across 5+ high-traffic features by analyzing bottlenecks with Datadog and Rack Mini Profiler, reducing average query time by 30%.
- Re-architected key user interfaces using StimulusJS and JavaScript to improve responsiveness by 40%, leading to higher feature adoption by the client team.
- Guaranteed robust, deployable code by establishing and enforcing an average of 90% test coverage across the core codebase, reducing production bug reports by 15%.
- Played a key role in the design and development of an internal project management application.
- Developed complex back-end logic and high-quality user interfaces to deliver robust web solutions based on design specifications.

EDUCATION

Rajagiri School of Engineering and Technology – Kerala, India

August 2017 – May 2021

Bachelor of Technology, Computer Science and Engineering (CGPA - 9.57)

INTERNSHIPS

Cognizant – Kerala, India

October 2019 – January 2020

- Developed a web application for traceability in the vegetable supply chain.
- Utilized HTML, CSS, and JavaScript to build a robust front-end solution.

PROJECTS

SQL Drill - sqldrill.com

- Interactive SQL learning platform with real-world scenarios and AI-powered assistance, built to master SQL skills.
- Built with Ruby on Rails and React, featuring a multi-schema architecture.

Event Stream - eventstreamed.com

- A Visual Workflow Automation Platform. It allows users to visually design workflows that trigger on webhooks, filter data, and execute actions like sending Slack messages or making HTTP requests.
- Built with Ruby on Rails and React.

School Project Ideas (Mobile App)

- Developed a student-focused educational mobile app that achieved 10,000+ downloads, demonstrating significant user adoption and engagement in science learning.

Other Projects

- Whats-Anyone App, Money Tracker App, Bird Hunter Game, KTU-Assist app.

ADDITIONAL

Technical: Ruby on Rails, ReactJS, StimulusJs, SQL, JavaScript, HTML, CSS.

Languages: Proficiency in English, Malayalam