Akhil Jacob

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Full Stack Rails Developer

Hey! I'm Akhil, a full-stack developer that loves creating web applications. I've worked on various projects, including a web3 game and SaaS apps with AI integration. I am passionate about learning and view every challenge and opportunity as a way to continue my growth. This also applies outside work. My latest venture is training for a triathlon! I also like to play football and music.

Strengths

Hard-working

Completed an accredited Chemical Engineering degree, balancing an advanced coursework load within the standard BEng timeframe, while acting as chairperson of a society.

Solving complex problems

Trained to problem solve through my BEng education and experience in web development.

Learning and adapting quickly

Self-taught web developer. Self-taught musician. Currently learning Spanish.

Work Experience

Full Stack Ruby on Rails Developer, Identity Square, Part-time ***Dec 2022 - Present***

- Led end-to-end development of a new SaaS product in it's greenfield stage, encompassing architecture, design, testing, deployment, and production support.
- Built a multi-tenant architecture to support multiple companies on an app.
- Integrated OpenAI API with Sidekiq to seamlessly deliver deep insights to the user. Engineered prompts to deliver consistently structured data.
- Integrated Stripe API for payment functionality.
- Built a live chat feature with react and 'quote and reply' features.
- Created a threaded email functionality with Postmark for email delivery.
- Ensured scalability, reliability, and optimal user experience were paramount considerations in the development process.

Full Stack Ruby on Rails Developer, Digital Genius, Part-time ***Oct 2023 - Apr 2024***

- Building key features for an AI template management product, working with front-end and back-end, ensuring a cohesive and functional user experience.
- Architected and built a threaded comment system with taggable users and groups.
- Configure Postmark for email delivery in production.
- Implemented responsive design and SPA-like features using TailwindCSS and Hotwire (Stimulus and Turbo), enhancing user experience.

Full Stack Ruby on Rails Developer, Zedball, Full-time ***Apr 2022 - Dec 2022***

- Greenfield project: Developed and launched a successful web application, attracting over 500 users within its first year. Implemented industry best practices such as scrum and TDD.
- Provided efficient support for customer issues and production deployments, effectively resolving application bugs and errors.
- Boosted productivity by using GitHub and implementing CI/CD processes and deploying applications to Heroku, resulting in improved efficiency and streamlined workflows.
- Enhanced database and API performance and query efficiency using PostgreSQL, ActiveRecord and GraphQL, optimising the application's overall speed and responsiveness.
- Boosted user engagement by building features such as daily streaks, experience points and achievements.

Junior Full Stack Ruby on Rails Developer, Identity Square ***Jun 2021 - Apr 2022***

- Collaborated with a diverse team of developers to build web applications for various industries, including food delivery and healthcare.
- Conducted comprehensive automated testing using RSpec, minitest, and Capybara, ensuring top-notch quality assurance.
- Utilized HTML, CSS, Bootstrap, and Tailwind to create an intuitive user interface, enhancing the overall user experience.

Intern Process Engineer, DPS Group Global ***Jul 2020 - Dec 2020***

- Contributing to technical problem-solving with automation system exposure (DCS, PLC), and data organization through interlock matrices and equipment lists.

Education

BEng - Chemical and Biopharmaceutical Engineering ***Sep 2017 - May 2021***

- Munster Technological University, Ireland
- Grade: Upper Second Class Honours (2.1)
- IChemE accreditation meeting academic requirements for Chartered Engineer (CEng)
- Represented university at Enactus National Conference
- Chairperson of Indian society
- Relevant coursework: Numerical Methods, Multivariable Calculus, Applied Statistics and Probability

Tech Stack

- Ruby on Rails
- HAML
- HTML/CSS
- TailwindCSS
- RSpec
- Sidekiq
- Redis
- Selenium
- Github
- PostgreSQL
- Git
- Heroku
- Hotwire
- Javascript
- React