

Ali Ibsin

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[Portfolio](#)

Los Angeles, CA

[GitHub](#)

TECHNICAL SKILLS

- Ruby, Rails, Turbo, Redis, JavaScript, Typescript, React, Redux, MySQL, PostgreSQL, Docker, AWS, LangChain

WORK EXPERIENCE

Software Engineer (part-time contract) Stealth Startup November 2024 - Current

- Collaborated on an early-stage, stealth startup as a full-stack software engineer, developing workflow management and CRM tools using Ruby on Rails, React, Redux, and PostgreSQL.
- Built custom frontend features and components based on existing libraries, reducing build and load times by 10% and saving ~\$500 on licensing.
- Developed and integrated an AI agent using LangChain to help customers streamline workflows.
- Maintained at least 80% test coverage using Rspec and Jest to allow smooth onboarding of new customers at launch.
- Conducted market research to identify industry trends and helped assess potential revenue opportunities.

Software Engineer Giant Partners, Inc. August 2021 - January 2025

- Developed company's internal data platform as a full-stack software engineer using Ruby on Rails, Hotwire, JavaScript, Redis, and MySQL.
- Added and expanded platform tools and features, enabling sales and marketing associates to complete data requests, resulting in about a 70% decrease in order processing times.
- Built robust and scalable RESTful APIs, allowing certain clients to autonomously request and purchase data from our internal database.
- Collaborated with an external company's software team to co-develop an email marketing platform, saving approximately \$3,000 per month in subscription fees.
- Maintained at least 90% automated test coverage across all projects using Rspec and Capybara, ensuring a smooth and bug-free user experience.
- Followed Agile (Kanban) methodology, utilizing Asana and Github Projects to keep track of tasks and efficiently delegate resources.
- Guided and pair programmed with team members multiple times per week, fostering a friendly and collaborative environment.

Senior Energy Engineering Consultant KBKG, Inc. Dec 2020 – Jan 2021

Energy Engineering Consultant Aug 2018 – Dec 2020

- Analyzed architectural blueprints and construction specifications to determine the level of energy consumption in accordance with local and national energy standards.
- Automated data transcription and organization of physical documents by utilizing OCR Software and developing VBA macros, increasing processing efficiency by up to 50%.
- Managed 11 other team members by organizing workloads and forecasting deadlines to meet client tax filing time-frames.

PROJECTS

Simple Solar System Sandbox [Live](#) | [GitHub](#)

- Developed an interactive 3D solar system visualization using Three.js, featuring realistic planet textures and semi-accurate orbital mechanics.
- Simulated semi-realistic lighting to allow for celestial events such as lunar and solar eclipses.
- Implemented toggles for planetary orbits, adjustable scales for time and planet size, and flexible camera controls to improve user interaction and educational value.

EDUCATION

University of Southern California – B.S. Mechanical Engineering

Class of 2018