

Ricardo Fabila Reyes

Phone Number 618 155 1292

Email ricardo@fabilareyes.com

Address Merida, Yucatán 97128

LinkedIn

<https://www.linkedin.com/in/ricardofabila>

Website <https://github.com/ricardofabila>

*Full-Stack Engineer with over **8 years** of experience in the software development industry, specializing in **Web Development, Backend Development, and DevOps**. Committed to delivering reliable and high-performance systems efficiently and on time.*

EXPERIENCE

Staff Software Engineer

Bishop Fox, San Francisco, CA

Aug 2024 - Present

- Developed a new event-driven platform enabling clients to continuously monitor their attack surfaces and uncover potential security threats by leveraging publicly accessible data and proprietary discovery techniques.
- Designed and implemented a microservices-based architecture, improving the time to discovery of client assets by 700%.
- Engineered RESTful APIs using Golang, enhancing data integration across multiple platforms.
- Maintained documentation related to software development processes, procedures and guidelines.
- Wrote detailed technical documentation outlining system architecture, coding conventions and best practices.
- Optimized PostgreSQL database queries, increasing data retrieval speeds by over 200% in most cases.
- Migrated secrets from AWS Secrets Manager to PostgreSQL using AWS Key Management Service (AWS KMS), reducing the cost of managing sensitive data from tens of thousands of dollars a year to completely free.
- Created automated testing scripts and developed unit and integration tests, increasing code coverage in several new microservices.

Technical Skills: Golang, Python, JavaScript, PostgreSQL, DynamoDB, Redis, AWS, Kafka, Docker, Kubernetes, GitHub, Jira, Microservices Architecture, - RESTful APIs, Agile/Scrum, CI/CD

Senior Full-Stack Engineer and DevOps

Mento, Los Angeles, CA

Nov 2023 - Jul 2024

- Worked on the complete rewrite of two web applications from Next.js to React.js with TypeScript, utilizing Vite as the build tool and Tailwind CSS on the frontend, and Ruby on Rails for the backend.
- Migrated all infrastructure from Vercel to DigitalOcean, reducing cloud costs by 50% and improving deployment times by 200%.
- Developed a prototype for a recommendation system using machine learning algorithms, enabling faster and more efficient matching of clients with coaches, thereby improving client satisfaction and optimizing the client-coach matching process.
- Implemented a Sidekiq job system using RedisDB for asynchronous tasks such as email notifications and maintaining Comechat information synchronization, enhancing system performance and reliability.
- Enhanced application access and visibility in production by implementing a bastion virtual private server, enabling secure SSH access to the production environment.
- Developed a custom video conferencing component using Dolby.io APIs, enhancing user engagement and functionality.
- Reworked the CI/CD pipeline using custom GitHub Actions and DigitalOcean, streamlining deployment processes and increasing deployment efficiency by 100%.
- Unified the user model by migrating to a consolidated user-role structure, facilitating the creation of new features pivotal for securing Series A funding.
- Collaborated with designers to establish a component design system using MUI (a React component library), standardizing the design and improving consistency across the web application.

Technical Skills: JavaScript, TypeScript, Ruby, Go, Python, Ruby on Rails, React.js, Next.js, Tailwind CSS, MUI (Material-UI), PostgreSQL, Redis, Docker, Vercel, DigitalOcean, GitHub Actions, Custom CI/CD Pipelines, sidekiq running on Redis, Machine Learning Algorithms, Recommendation Systems

Senior Software Engineer

- Developed multiple microservices in the cyber-security industry using Go, Docker, Kubernetes, RabbitMQ, Kafka, and PostgreSQL, ensuring scalable and efficient solutions.
- Optimized and ported legacy microservices from Python to Go, enhancing API performance by 10,000%.
- Reengineered the CI/CD pipeline by implementing custom GitHub Actions and commit hooks, streamlining deployment processes and increasing development efficiency.
- Created new mage actions and commit hooks to automate the generation of OpenAPI specifications directly from the codebase, significantly reducing manual documentation efforts.
- Developed an internal CLI tool to interact with proprietary APIs, enabling faster and more efficient workflows across various environments.
- Designed and launched an open-source package manager, Fox, facilitating the sharing of programs on private repositories within teams. You can check it out at www.getfox.sh

Technical Skills: Go, Python, JavaScript, TypeScript, Ruby, React.js, Ruby on Rails, Next.js, , PostgreSQL, Redis, DynamoDB, Docker, Kubernetes, AWS, DigitalOcean, GitHub, Jira, RabbitMQ, Kafka, GitHub Actions, Mage, Sidekiq, CI/CD Pipelines, Microservices Architecture, RESTful APIs, Agile/Scrum, Machine Learning Algorithms, OpenAPI Specifications

Software Engineer

Encora, Merida, Yucatán

Jun 2019 - Dec 2020

- Developed intricate and feature-rich web applications using React.js and TypeScript, leveraging WebSockets to implement real-time functionalities.
- Created a flagship application tailored for the restaurant industry, incorporating key features such as real-time messaging similar to Slack, add-ons functionality, a robust scheduling system, task management capabilities, and a custom calendar for efficient worker management.
- Overhauled the real-time chat component across all applications by migrating from BackboneJS to React.js, resulting in enhanced performance and a more responsive user experience.
- Implemented a comprehensive fuzzy search feature throughout the application, significantly improving user experience and search efficiency.
- Collaborated with the design team to develop a custom component design system using MUI (Material-UI), ensuring consistency and a seamless user experience across the web application.
- Utilized Redux.js for state management, optimizing data flow and improving application scalability.
- Enhanced front-end performance and maintainability through best practices in front-end development, resulting in a more robust and user-friendly application interface.

Technical Skills: TypeScript, JavaScript, React.js, Redux.js, Docker, GitHub, Jira, WebSockets, BackboneJS, OpenAPI Specifications, Agile/Scrum

Full Stack Engineer

Yellowme, Merida, Yucatán

Aug 2018 - May 2019

- Developed web apps, APIs. Mainly used, NodeJS, React JS, Typescript, and Heroku.

Skills: JavaScript · TypeScript · Full-Stack Development · Front-end Development · Node.js

Senior Software Engineer

Sr. Revólver, Merida, Yucatán

Jul 2016 - Jul 2018

- Solely designed and developed "Super 15", an exclusive, invite-only web application for a local shop offering both food and groceries, which enables customers to order food online, featuring comprehensive functionalities such as report generation, receipt printing, stock management, card payments, promo codes, and other essential e-commerce features

Skills: JavaScript · TypeScript · Laravel · PHP · Software Design · React JS

EDUCATION

Systems and Information Technologies Engineering in Systems Engineering

Universidad del Mayab,, México

Jan 2018