Freddy Rangel

Senior Software Engineer

Personal Info
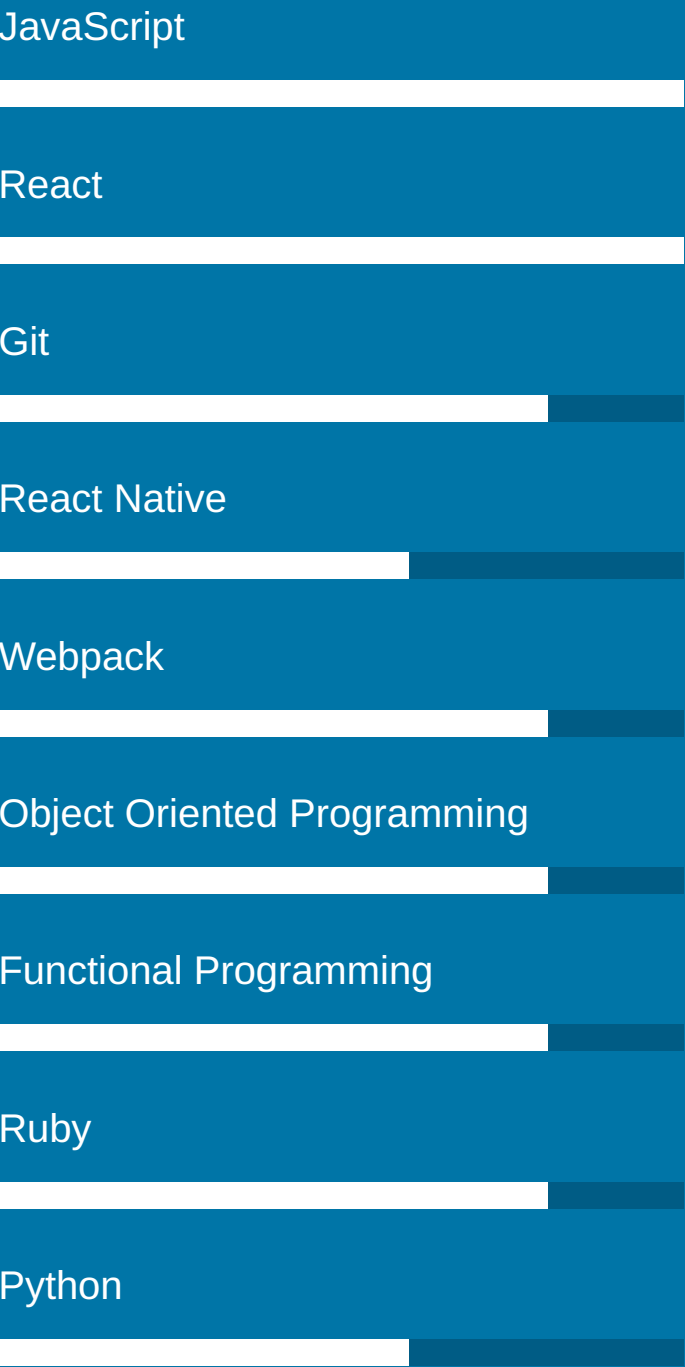
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Skills

JavaScript

React

Git

React Native

Webpack

Object Oriented Programming

Functional Programming

Ruby

Python

Education

University of California, Berkeley

B.A. International Relations (2008)

Seasoned software engineer, technical writer, and public speaker specializing in software architecture. Published author on JavaScript frameworks and architecture. Frequent conference presenter on software performance and reliability. Worked on a variety of software applications and industries including medical insurance, social networking, electronic document signing, and scientific research platforms.

Experience

2017-03 - 2018-02

Senior Software Engineer

Science Exchange

- Optimized search experience by forming a Marketplace and Discovery Team consisting of key stakeholders from different departments
- Improved maintainability of front-end by migrating from jQuery & Ember to test-driven React
- Implemented JavaScript error reporting which identified critical issues for our enterprise clients
- Improved web accessibility (a11y) by instituting a thorough audit process
- Advanced engineering standards by compiling an engineering handbook and streamlining on-call processes
- Conducted team workshops on JavaScript topics

2015-06 - 2017-03

Senior Front-End Engineer

HelloSign

- Improved JavaScript runtime performance by a factor of 15
- Reduced initial browser load-time from 4.5 seconds to 200 milliseconds
- Helped build HelloWorks, a new signature product based on an event-driven architecture
- Gave talks and workshops for developer conferences all over the US

2014-06 - 2015-06

Software Developer

Velocis

- Refactored large legacy enterprise systems using TDD and increased test coverage from 0 to 85 percent while adding new features
- Architected and built backend JSON APIs for web, hybrid, and native applications
- Built a social networking application (SkyRise) connecting office tenants into online communities
- Taught other developers how to write and maintain test suites

2013-12 - 2014-06

Software Developer

TechLabs

- Designed and build a modular medical appointment scheduling app using Ruby on Rails
- Extracted major features into reusable components via Rails engines to build an e-commerce platform and a direct sales support application

Publications

2016   **React Under the Hood: A Beginner's Guide**

Conferences

2017   React 101 Workshop: QCon (London)

2017   APIs for Humans: Hacker Connect (New York)

2018   Async in Redux: ForwardJS (San Francisco)