

# Sam David

Software Engineer  
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## Technical Skills

**Strong:** Ruby, Rails, JavaScript, AWS (EC2, RDS, DynamoDB, CloudFront, Lambda, IAM), Elasticsearch, Node.js, AngularJS, React, ActiveRecord, PostgreSQL, HTML5, CSS3, Git  
**Exposure:** Python, Swift, Xcode, Firebase, Ionic, MongoDB

## Experience

### Full Stack Engineer (Platform Team) | ReferralExchange | San Francisco, CA 2017 - Current

- Produced a three way call system using Twilio's API, connecting agents, leads, and operations.
- Execute experiments and maintain funnel application where thousands of leads are created per month.
- Monitor infrastructure on AWS for development and production environments.
- Integrate and maintain Elasticsearch within multiple environments.
- Build tools around infrastructure framework for 'cloud' environments.
- Develop features for existing internal applications to optimize workflows.
- Created mobile application where thousands of agents accept leads, expanding existing desktop products.

### Full Stack Engineer | Infuse | San Francisco, CA 2016 - 2017

- Lead engineer on point of sale product for car wash chain processing \$10 million+ in annual transactions.
- Code, manage, and deploy new feature waves and scheduled maintenance releases.
- Optimized backend API and frontend iPad Cordova based app by decreasing requests response time.
- Reduced frontend codebase by 30% by refactoring AngularJS controllers using modular services.
- Migrated applications from Parse based backend to Heroku and MongoDB based apps.
- Created iOS Swift geo location based video streaming application utilizing Twilio Video SDK.
- Managed company Hackathon planning and execution.

### Full Stack Engineer | Paid Labs | San Francisco, CA 2015 - 2016

- Reduced backend OAuth codebase by ~50% through developing modular OAuth 2.0 connection models while following Ruby OOP design principles and integrating the Stripe and Quickbooks APIs.
- Engineered templating engine used by 25%+ of customer base using Handlebars to allow users to customize their own invoices and emails with HTML5, while also allowing access to invoice metadata properties.
- Utilized JavaScript and C3.js library to design metrics graphs for monthly company and investor reporting.
- Improved ticket response time by ~1 day by implementing an internal messaging system using Ruby on Rails.
- Automated API documentation to update route and response information based on release of new features.
- Rebuilt invoices UI and backend to include purchase orders for customers with transactions at ~100k annually.
- Followed TDD with RSpec and Agile development methodologies, with version control using Phabricator.

### Full Stack Engineer | Rentjoy | San Francisco, CA 2014 - 2015

- Integrated Stripe API into Ruby on Rails rental payment platform to allow processing of ~\$20,000 / month.
- Cut average clicks by 40% through optimizing UI/UX of front-end by eliminating repetitive views and elements.
- Refactored legacy codebase to follow Ruby best practices, and expanded RSpec test coverage to 95%.
- Designed landing page marketing material to present company mission using JavaScript, jQuery, and HTML5.
- Created investor presentation collateral using Adobe InDesign to assist in fundraising.

## Projects

3D Printing API (current) | [code](#)  
Real Estate Evaluator (2016) | [live](#) | [code](#)  
Code Crush (2015) | [live](#) | [code](#)  
Clash of Clans Calculator (2016) | [live](#) | [code](#)

## Education

**University of Southern California**  
BA Interactive Entertainment, 2011