

# Dave Frey

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Minimalist with a focus on maintainability and an eye for balance.

Elegant, concise, readable software.

Rather spend an hour now than a day next month.

The product, not just the implementation.

Why not write code that makes people happy?

## Full Stack Software Engineer

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### Ruby on Rails

Ruby	RSpec
Linux	Oracle PL/SQL

  

Git	Agile, Scrum & Kanban
JIRA	Pairing & TDD

Capabilities include:

Object Oriented Design, HTTP, Jenkins CI, New Relic, Slack, Tcl, ACS, Layer7, Sinatra, Arch Linux, Heroku, RDS, Javascript, vim, tmux, distributed teams, retrospectives, interviewing, user stories

## Professional Experience

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*Full Stack Mentor*

June 2016 - Present

The Firehose Project, Boston, MA

- Remotely worked with students 1-on-1 over 22 weeks teaching Full Stack Ruby on Rails development.

*Software Developer*

February 2016 - January 2017

Routehappy, New York, NY

- Doubled customer count for our Scores and Amenities API by automating signup and payment.
- Extended application to support flight ticket attributes.
- Monitored applications in real-time to ensure consistent performance.
- Hosted and maintained applications using Heroku and databases using Amazon RDS on AWS.
- Automated process to add new customers to our flight amenities Hub.
- Worked on fully remote team, utilizing Slack and video conferencing to maintain communication.

*Software Engineer, Billing & Payments*  
Zipcar, Boston, MA

November 2013 - February 2016

- Began process of building new Billing and Payments platform to replace the legacy system. This included researching integration of a 3rd party vendor.
- Delivered Billing & Payment support for new international markets.
- Investigated and proposed a project to consolidate internationalization and localization across all stacks, including web and mobile.
- Onboarded and mentored new members in Web Development and Ruby on Rails.
- Implemented static mandates for members using SEPA Direct Debit, reducing chargeback charges.
- Expanded a Rails API for One>Way trips to support Round-Trip reservations. This fixed a major bug involving all reservations booked on mobile devices.
- Built a RESTful API using Rails to accept a feed from a franchisee. This feed mapped invoices to transactions, which, when consumed, presented members with a more holistic view of their activity.
- Designed and implemented an API to consolidate calls to Payment Gateways, replacing a process requiring duplication across Rails and ACS with PL/SQL, a framework with minimal HTTP support.
- Transitioned to and maintained PCI compliant server hosting customer payment information.
- Designed and implemented a Full Stack web app to transition internationally acquired members to Zipcar's platform. This became Zipcar's first deployed member facing Rails app.

*Software Engineer*  
Quoin, Boston, MA

March 2013 - August 2013

- Extended a Django application, giving authors and agents access to their Royalty Statements.
- Learned the idempotent system infrastructure tool Chef to act as a resource for clients and other consultants within the organization.
- Built out functionality at the request of clients, including transforming wireframes into UIs.

*Freelance Software Engineer*

August 2012 - March 2013

- Used Ruby on Rails and PHP as the main tools in developing full stack applications for clients.
- Communicated with clients about the needs of their users and translated that into actionable work.
- Rewrote a PHP application in Ruby on Rails to aid in the ease of development.

*Course Assistant*  
Binghamton University, Computer Science Department  
Binghamton, NY

August 2009 - December 2009

- Led a lab section of Programming Concepts and Applications.
- Learned Python to explain assignments and offer assistance during and office hours.

## Education

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**Binghamton University**, State University of New York, '12  
Bachelor of Arts in Environmental Studies, Minor in Computer Science, Concentration in Social Ecology

**Relevant coursework**, including Algorithms, Data Structures, Object Oriented Programming, Automata Theory and Formal Logic, Computer Architecture, Probability and Fundamentals of Higher Math