

# Kristopher Merolla

[kristopher.merolla@gmail.com](mailto:kristopher.merolla@gmail.com)

## Software Engineer

Experience with Ruby (RoR), Python (Django), JavaScript, SQL / NoSQL and much more! Strong project manager with object-oriented software design and development experience across the tech stack. Experienced working with REST APIs and various development tools such as Splunk, Postman, and CircleCi. Logical, critical thinker with excellent problem solving ability and debugging skills. Currently working at Roostify on the Enterprise Engineering team as an L4 software engineer and wearing many hats, but focussing primarily on back-end development work.

## Work Experience

July 2018 – Present

### Roostify, San Francisco - Software Engineer

Roostify provides an integrated digital mortgage software platform, connecting customers and lenders to reduce time to close, reduce risk, and optimize the lending experience.

- Design and develop client and server-side architecture with performance, scalability, usability, and reliability in mind, working with product managers to ensure robust user experience
- Develop and write tests to resolve bugs escalated by the client support team, ensuring the success of mission-critical application functionality
- Train engineers on the Roostify application, Splunk, Postman, and other technologies, as well as in JIRA best practices, to help elevate the quality of engineering across the company
- Build client / server-side architecture with performance, scalability, usability, and reliability in mind
- Collaborate with various teams throughout the entire software development lifecycle in a multi-function role
- Work closely with the QA+DevOps teams on high priority (P1/P2) bug resolution, deploying hot-fixes as needed
- Create Splunk dashboards, alerts, and monitoring to ensure impactful issues are easily recognized and resolved
- Bi-weekly performance review of our largest clients using New Relic and Splunk to ensure SLAs are met, raising JIRA tickets and resolving performance issues as needed through query optimization and other techniques
- Create JIRA dashboards to aide product and engineering teams in understanding backlog and in-progress issues
- Assist product and engineering teams in the creation of technical documentation on new product features (FSDs)

October 2017 - June 2018

### 4D Inc, San Jose - Technical Services Engineer

4D is a worldwide leader in software solutions designed to simplify development & deployment of database applications.

- Provide technical support to community of 4D developers through hotline, email, and web based ticketing system, creating bug reports as needed or creating and providing a code-based solution to resolve their issues
- Develop internal applications to support tech support team and sales operations
- Write professional technical tips and notes covering new features as well as expanding existing features
- Analyze log files and debugging information, review sample code and customer databases to resolve critical issues
- Work closely with other internal teams at 4D on escalated issues, product roadmaps, changes, and new features
- QA of 4D's product line as well as performing product demonstrations to customers and prospects

May 2012 - March 2017

### SmartStream Technologies, San Jose - Lead Associate, Team Lead

SmartStream delivers a data service to major investment banks, with results guaranteed under a tight SLA

- Responsible for ensuring the integrity of the data and delivery on schedule to the client
- Partnered with product engineers and senior managers to understand data loading and data mapping issues, further developing our UI through JIRA enhancement requests and daily system reports
- Managed and mentored a team of 10 cross-functional data analysts through the successful creation of a joint venture with Morgan Stanley, JP Morgan Chase, and Goldman Sachs (aka the 'SPRED' project)
- Created new operational procedures and trained the team on writing optimized SQL queries, and built analytical dashboard on exchange and other team data points providing high visibility to the most critical areas of business

- Point of contact for clients and senior management, and built a successful relationship with Morgan Stanley

## Education

July 2017

**CodingDojo**, San Jose - Certificate of Completion (Web and Mobile App Development)

Full stack Python/Django, MEAN (MongoDB, Express, Angular 2, Node), iOS/Swift

June 2010

**California Polytechnic State University**, San Luis Obispo - Bachelor's Degree, Physics

Classical Mechanics, Astronomy, Thermal Physics, EE Fundamentals, Statistics, Calculus, Linear Algebra

## Projects

September 2017 - Present

**Personal Portfolio Website**, [kristopher-merolla.github.io/personalPortfolio](https://kristopher-merolla.github.io/personalPortfolio) - Design and Development

Simple personal portfolio website, built with basic tools and deployed on GitHub. Updated slightly over the years.

- HTML, CSS, Javascript, Bootstrap

September 2017 - February 2018

**Bloom Racing**, [bloomracing.com](https://bloomracing.com) - Wordpress Developer

Bloom Racing Stables is a full service boutique racing partnership company. I was responsible for managing a Wordpress site including but not limited to updating inventory, creating new pages as needed, and resolving any site issues.

Jun 2017

**Gaming Chat Room**, [github.com/kristopher-merolla/gaming\\_chat\\_room](https://github.com/kristopher-merolla/gaming_chat_room) - Design and Development

Enter the Gaming Chat Room with a username and play some HTML-Canvas games (pong, golf)! The app was conceived and built over a weekend for a hackathon and deployed temporarily with AWS (EC2, Nginx). *[team of 4]*

- MEAN stack (MongoDB, Express, Angular 2, Node.js) with sockets to handle the chat communications

Jul 2017

**QuakeMap**, [github.com/kristopher-merolla/EarthquakeMap](https://github.com/kristopher-merolla/EarthquakeMap) - Design and Development

The QuakeMap was a simple API driven iOS app which displays earthquake locations, magnitudes, and other info on an interactive map. The app was conceived and built over a 24-hour period for a hackathon. *[team of 3]*

- Satori USGS API used to get data to a Node server, storing data objects in a NoSQL database (MongoDB)

## Key Competencies

- **Languages:** Ruby, Python, JavaScript, Typescript, Swift (UIKit, MapKit, CoreLocation), SQL, 4D
- **Front End Development:** HTML / HAML, CSS, jQuery, Bootstrap, AJAX, YML
- **Databases:** SQL (MySQL, Oracle), NoSQL (MongoDB), Mongoose.js
- **Servers and Hosting:** AWS S3, Heroku, Node.js, MAMP (Apache), Nginx, Ubuntu
- **Frameworks:** Ruby on Rails, Angular 2, Express, Django, Flask
- **Version Control:** Git/GitHub
- **Development Tools:** Splunk, Bugsnag, Postman, CircleCi, Snowflake, Looker New Relic, Codeclimate, Sendgrid
- **Methodology:** HTTP Request/Response, OOP, MVC, RESTful Architecture, WCAG, JSON, CI/CD, DOM
- **Other Technologies:** JIRA, Zendesk, Wordpress, Homebrew, npm, pip, bash
- **Other Skills:** Leadership, Team Building, Project Management, Hiring / Interviewing, Technical Training, Public Speaking, Employee Evaluations, Process Improvement, Business / IT / Data Operations, Client Relations