

Zachary Kolker

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Summary

Experienced Software Engineer with a strong background in Ruby on Rails, Java, and web development. Proven track record of delivering projects on time and improving system security, efficiency, and user experience.

Professional Experience

Software Engineer II, Enova International | September 2022 - Present

- Designed and implemented a comprehensive tracking system of originations of all applications improving business and compliance observability.
- Enhanced security by integrating with Google reCAPTCHA, employing advanced techniques to dynamically adjust throttling, and sanitizing user input for fraud prevention and resiliency.
- Led the migration of email confirmation functionality thus enhancing the customer experience and enabling more robust monitoring with DataDog metrics.
- Integrated and streamlined declined loan applications from one loan provider to another using Ruby on Rails, TypeScript, and Vue.js, resulting in more loan originations.
- Played a key role in a short-term self-service credit limit experiment, implementing features to boost customer credit limit uptake and drive revenue growth.

Software Engineer I, Weedmaps | November 2021 - August 2022

- Designed a system for site admins to manage amenities, freeing up developer resources.
- Implemented a feature for Canadian businesses to indicate their ability to accept credit card payments, addressing regulatory requirements and restrictions for semi-legal products. This involved PostgreSQL and Elasticsearch.
- Designed and deployed a service for businesses to upload and display images compliant with Ontario regulations using Ruby on Rails and AWS.
- Developed a dynamic pricing system based on user location, driven by regulatory requirements and enabling more effective monetization in a challenging market. Leveraged Elasticsearch and PostgreSQL for implementation.
- Developed an SMS service using AWS and Ruby on Rails, adaptable to evolving legal requirements.

Junior Software Developer, J.P. Morgan Chase | November 2020 - November 2021

- Automated user profile configuration using JPA, Spring Boot, DB2, and Angular.
- Built a templating system to dynamically generate documents from XML, integrating with Quadiant's scripting tools.
- Developed an API to migrate data from an outdated database to a new, business-critical database, using Spring Boot and SQL Server.
- Led the migration of data from a legacy system to a new schema behind a new API, enabling reporting with Tableau.

Education

- **Tech Elevator** | March 2020 - August 2020
 - Graduated from a 14-week coding bootcamp specializing in web development with Java and Vue.js.
- **Bowling Green State University** | August 2012 - March 2018
 - Bachelor of Arts and Sciences in Asian Studies with a minor in Japanese.

Technical Skills

- **Languages:** Ruby, Go, Crystal, Java, TypeScript, JavaScript.
- **Frameworks:** Ruby on Rails, Spring Boot.
- **Databases:** PostgreSQL, Elasticsearch, JDBC, JPA, DB2.
- **Testing:** RSpec, Capybara, Jest, Cucumber, JUnit, Mockito, TDD, BDD.
- **Infrastructure:** Heroku, AWS, Google.
- **Tooling:** Git, Linux, Bash, Docker.
- **Front-End Technologies:** React.js, ERB, Vue.js, HTML, CSS.
- **Soft Skills:** Communication, Problem-Solving, Teamwork.