

# Andrew Ackerman

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## TECHNICAL SKILLS

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**Languages:** Ruby, JavaScript, TypeScript, Python, Go, SQL, HTML, CSS

**Frameworks:** Ruby on Rails, React, AngularJS, Django

**Developer Tools:** Git, GitHub, GitLab, Bitbucket, Docker, VS Code, Azure, AWS, Kubernetes, SendGrid, Checkmarx, Postman, Jira, Notion, Cursor, Copilot, ChatGPT, CodeGPT

**Libraries:** MagicTest, NumPy, Nokogiri, JSON, Devise, CanCanCan, RSpec, Capybara, RailsAdmin, Moment.js, jQuery, Chart.js, Redux, Fetch API, Axios, Jest, React Hook Form, Babel

**Databases:** MySQL, PostgreSQL, SQLite

**Specialties:** Backend development, REST API design, software security, cloud infrastructure, test automation

## EXPERIENCE

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**Software Engineer - Ruby on Rails / JavaScript / Go / AngularJS / Node.js** Oct. 2021 – Present  
*LexisNexis Risk Solutions* *Boca Raton, FL (Remote)*

- Developed multiple Ruby on Rails applications supporting government agencies in delivering equitable law enforcement and justice solutions.
- Designed Git workflows and implemented CI/CD pipelines using GitHub Actions and Rancher, improving release speed and reliability.
- Provided 24/7 client support in an on-call rotation, resolving critical issues under pressure.
- Enhanced applications through Agile and Scrumban workflows, collaborating daily with product and project managers via Jira and Confluence.
- Partnered with QA teams to ensure comprehensive testing coverage and accurate automation results.
- Integrated and debugged RESTful APIs, including Google Earth, Google Maps, Odoo, and Twilio.
- Implemented Checkmarx software security scans across multiple applications, fostering a security-first development culture.
- Optimized AWS and Azure cloud environments, including Elasticsearch, S3, SDS, SES, Kibana, and Azure Cloud Services.
- Processed large cellular tower datasets in backend services using Ruby, Go, and Node.js to deliver actionable client insights.
- Built user-friendly front-end interfaces with Ruby ERB, JavaScript, TypeScript, jQuery, AngularJS, DataTables, and HTML/CSS.
- Migrated legacy Ruby on Rails applications to AngularJS and Node.js.
- Designed and maintained MySQL databases with a focus on scalability and clean schema design.
- Led initiative to incorporate AI-assisted coding tools (Copilot, CodeGPT), reducing development time and improving developer productivity.

**Software Engineer - Ruby on Rails / ReactJS / JavaScript** May 2021 – Aug. 2021  
*Airship* *Birmingham, AL (Remote)*

- Worked at a Ruby on Rails and ReactJS development agency on small business projects, collaborating directly with clients.
- Delivered features and resolved bugs using Ruby on Rails, ReactJS, JavaScript, and jQuery.
- Managed CI/CD pipelines via GitHub Actions and deployed to Heroku and AWS.
- Executed sprint-based development, completing tickets aligned with client requirements using Jira and Notion.
- Collaborated closely with product managers and QA, producing proof-of-concept builds for clear alignment on deliverables.
- Planned and designed full features, including wireframes and task breakdowns.
- Migrated client infrastructure from Heroku to AWS, upgrading applications to modern stacks.

**Software Engineer – Ruby on Rails / MagicTest / Capybara / JavaScript** Sep. 2020 – Apr. 2021  
*Authorium (formerly City Innovate, Inc.)* *San Francisco, CA (Remote)*

- Developed a Ruby on Rails application (*Solicitation Builder*) enabling government agencies to streamline procurement document creation.

- Built a comprehensive automated test suite with Capybara and MagicTest for a large monolithic application.
- Created an algorithm to auto-generate test fixtures by interacting with the application UI.
- Implemented high-impact features including weekly task digest emails and password reset functionality.
- Resolved UI and backend issues to improve performance and usability.
- Paired with engineers to share knowledge and maintain high code quality.
- Organized virtual team-building events, including social gatherings and coffee chats.

### **Computer Science Teacher - Django / Python / React / JavaScript**

May 2020 – Sep. 2020

*BloomTech (formerly Lambda School)*

*San Francisco, CA (Remote)*

- Taught daily projects and weekly sprints in Django, Python, data structures, and algorithms.
- Led a team of eight students in simulated work environments, facilitating daily standups.
- Provided 1:1 mentorship to support individual student growth and skill development.
- Reviewed and provided feedback on web projects to improve efficiency and maintainability.

### **Software Development Intern - Ruby on Rails / JavaScript / HTML5**

Feb. 2019 – Sep. 2019

*Bullet Train, Inc.*

*Los Angeles, CA*

- Completed a self-guided apprenticeship focused on mastering Ruby on Rails.
- Authored technical blog posts documenting the Ruby on Rails learning process.
- Identified and resolved client-facing bugs in the Bullet Train framework.

## **EDUCATION**

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### **BloomTech (formerly Lambda School)**

Sep. 2019 – May 2020

*Full-Stack Web Development Certificate*

*Remote*

### **BCITO NZ**

Jan. 2013 – Apr. 2016

*Certificate in Carpentry*

*Christchurch, NZ*

### **NCEA NZ**

Dec. 2009

*National Certificate of Educational Achievement (High School Diploma)*

*Christchurch, NZ*