

# AUSTIN LEE

## Senior Full Stack Developer | Ruby on Rails

352-507-6561 • auleehana@gmail.com • <https://www.linkedin.com/in/austinleedev> • Los Angeles CA

### Summary

A seasoned Full-Stack Developer with over 10 years of experience across diverse industries, boasting robust proficiency in cutting-edge technologies including Ruby on Rails, Spring, React, AWS, Azure, and other contemporary platforms. Being a creative and independent programmer, my goal is to delight clients by delivering high-quality solutions and ultimately driving business growth.

### Education

University of Southern California  
B.S. in Computer Science | GPA: **3.9** / 4.0

Los Angeles, CA  
01/2010 - 12/2013

### Experience

#### The College Board

Reston, VA

##### Sr. Ruby on Rails Full Stack Developer

01/2022 - 04/2024

Developed 10+ web based platforms, services, tools, portals which support educators, educational institutions in various aspects

- Designed and implemented 4 web based tools and applications using Ruby on Rails, Java and other cutting-edge technologies
- Created scalable and maintainable backend services for data analytics reporting and notifications using Ruby on Rails, AWS
- Worked on frontend development of web applications using React, TypeScript, Next.js, GraphQL, integrating third-party APIs
- Refactored legacy Java codebase to Ruby on Rails, to replace Java modules, adhering to best practices and design patterns
- Implemented and tested new features and functionality by simulating user interactions within Rails console environment
- Conducted code reviews, ensuring code quality, consistency, and adherence to best practices using GitHub
- Fully engaged in Agile SDLC, using Jira for seamless collaboration across all phases: Planning, Develop, Testing, and Deployment

#### Synopsys Inc

Los Angeles, CA

##### Ruby on Rails Back-End Developer

04/2020 - 12/2021

Extended features of EDA Software platforms, and developed backend for multiple web-based analytics platforms, customer-facing services

- Launched 3 secure and powerful backend services, APIs with Ruby on Rails ensuring fast performance and security
- Built the Financial Dashboard in Ruby, Spark Streaming and SQL, CosmosDB, Apache Kafka, running on Kubernetes on Azure
- Deployed web applications on Linux servers, collaborating with sysadmins for server configuration and maintenance
- Designed and implemented database schemas using Active Record migrations and models, ensuring efficient data storage and retrieval
- Integrated Ansible with other tools and technologies, such as Jenkins for continuous integration, Git for version control, and monitoring tools
- Implemented, and maintained Continuous Integration/Continuous Deployment (CI/CD) pipelines using GitHub Actions and Jenkins

#### adMixt

Austin, TX

##### Full Stack Developer

09/2016 - 03/2020

Initiated 7 projects from scratch with technologies like ReactJS, Node.js, Java, Ruby, AWS

- Engineered scalable and extensible backend services and REST APIs for multiple services using Node.js, Express.js, Ruby on Rails, Spring
- Implemented secure session management techniques, including setting secure cookies, using CSRF tokens, and expiring sessions
- Developed and maintained user-friendly and responsive web applications with CSS/SASS, Bootstrap, jQuery, React, TailwindCSS
- Optimized backend leveraging optimization techniques, such as indexing, connection pooling for MySQL and PostgreSQL database
- Integrated DynamoDB with other AWS services such as Lambda, API Gateway, and S3 to build serverless architectures and microservices
- Implemented Test-Driven Development (TDD) practices in software development projects, using Jest, Cypress, JUnit, RSpec
- Crafted and Deployed a greatly optimized REST API from analysis of existing project

### Skills

Languages: Java • Kotlin • Ruby • Python • JavaScript • TypeScript • SQL • GraphQL • HTML/CSS

Frameworks & libraries: Ruby on Rails • Spring Boot • React • Node.js • Express.js • ActiveRecord

Storage: MySQL • MongoDB • PostgreSQL • DynamoDB • CosmosDB

Tools & Platforms: Git • Jenkins • Docker • AWS • Azure • GCP • Maven • Gradle

## Projects

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### Data Analytics Platform

11/2020 - 01/2021

A robust web-based analytics platform for semiconductor companies to analyze and gain insights from design data, manufacturing data, and performance metrics, enabling data-driven decision-making and optimization, using Ruby on Rails, ActiveRecord, RSpec

## CERTIFICATIONS

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### Advanced JavaScript

Learned advanced programming concepts.

### Codecademy Ruby Certification

Worked on real-world projects that simulate common development scenarios

### Spring Professional Certification

Deep knowledge of the Spring framework, including core principles, DI