

# Julio Rodriguez

## Software Engineer

### SUMMARY

Software Engineer with a strong track record of architecting and building scalable web applications using JavaScript and ReactJS frameworks. Expertise in implementing automation solutions that drive significant improvements: system performance enhanced by 15%, user engagement increased by 12%, production errors reduced by 95%, and project delivery accelerated by 30%. Education includes a BS in Computer Science & Information Security and ongoing MS in Computer Information Systems.

### WORK EXPERIENCE

#### Software Engineer @ Resilient Coders, Boston, MA

January 2025 — Present

- **Architected** high-traffic web platforms (React.js, Node.js) using modular components, **elevating** system performance by 15%.
- **Developed** scalable REST APIs (Express.js, MongoDB), **accelerating** data processing speed by 25% and enabling seamless integrations.
- **Led** a 6-engineer Scrum team in the successful launch of a React.js web app featuring reusable UI components, **boosting** user engagement by 12%.
- **Implemented** Jest unit tests and CI/CD pipelines (GitHub Actions), **slashing** production bugs by 18%.
- **Optimized** MongoDB database queries and indexing strategies, **reducing** API response times by 40% and enhancing application performance during peak loads.

#### Recent Projects:

**Roomie-Link (Fullstack Web App)** – **Engineered** RoomieLink (Node.js, Express.js, Tailwind CSS), including user profile and direct messaging functionalities, **improving** roommate connection efficiency by over 20%.

**Resource Tracker (Fullstack Web App)** – **Designed** full-stack asset and inventory tracking solutions utilizing Node.js, Express.js, MongoDB, EJS, Bootstrap, and Tailwind CSS, providing features such as data management, and robust data storage capabilities.

**Basketball-prediction** – **Built** a responsive basketball prediction web application (full-stack: Node.js, Express.js, EJS, Bootstrap, MongoDB) incorporating a data-driven prediction model with 85% accuracy, powered by MongoDB aggregation techniques..

**Other Projects:** Casino Virtual Slot Machine, Coin Flip, Wu-tang-generator, Palindrome, Matching card game.

#### IT Analyst at MassMutual Federal Credit Union | Springfield, MA

September 2024 — December 2024

- **Leveraged** AWS (EC2, RDS) to migrate 5 legacy banking systems with zero downtime and a 95% decrease in incidents.
- **Automated** deployments using Bash and Python, **saving** over 20 hours per month.
- **Reduced** production incidents by 30% through the implementation of auto-rollback mechanisms.

### VOLUNTEERING

#### Holyoke Codes | Holyoke, MA

July 2022 — Present

Assisting and helping young kids/adults develop skills in programming especially in Python.

#### Certifications

CompTIA +, CompTIA Sec+, Responsive Web Design.

### CONTACT

413.479.9607

[Email](#)

[Showcase](#)

<https://github.com/JRzo>

[Linkedin](#)

[Twitter](#)

### SKILLS

HTML

CSS

Javascript

React.Js

React Native

Node.JS

MongoDB

Express.Js

Tailwinds

Bootstrap

PostgreSQL

AWS

Agile/Scrum

Docker

Web Accessibility

Gen AI

### EDUCATION

#### Boston University

2024 - 2026

Major: CIS

#### Elms College

2021 - 2024

Major: Computer Science  
& IT