Renaissance Carr

Software Engineer | 619.885.8867 | LinkedIn | [renaissancecarr.com] (https://renaissancecarr.com)

EDUCATION

University of California, San Diego
- Bachelor of Science in **Computer Science, Honors**

EXPERIENCE

Software Development Engineer
Mitchell | Enlyte – San Diego, CA
Feb 2024 – Present
- Designed, developed, tested, and documented enterprise-grade software features.
- Built new RESTful API services for assignment management using Java 8 EE, Wildfly, and microservices.
- Implemented and maintained frontend features using React and Redux.
- Diagnosed and resolved production incidents by replicating bugs and collaborating across teams.
- Reduced Sonar-reported code issues by 25% within first months through quality-focused contributions.
- Delivered high-quality features from planning through production, emphasizing architectural integrity.
- Led code quality initiatives by proposing and presenting improvements across engineering teams.

Software Engineer
Northwestern Mutual – Milwaukee, WI
Jun 2022 – Feb 2024
- Developed Spring Boot microservices on AWS from the ground up, deploying to production environments.
- Built and maintained CI/CD pipelines with robust JUnit test coverage.
  Conducted unit, integration, load, regression, and performance testing using TwistLock, Checkmarx, and SonarQube.
- Monitored batch job execution, provided after-hours support, and triaged production issues.
- Owned the Risk Engineering role to ensure alignment with architecture and compliance standards.
- Implemented observability with Dynatrace, ELK/Kibana, and PagerDuty integrations.
- Performed DevOps responsibilities as needed, contributing to release and infrastructure workflows.
- Learned and contributed to mainframe development using PL/I, JCL, and MCICS.
- Collaborated in Agile/Scrum environments to deliver complex business-driven solutions.

TECHNICAL SKILLS

Certifications
AWS Cloud Practitioner, AWS Developer Associate*, Google Associate Cloud Engineer*, Microsoft AZ-900 (Azure Fundamentals)*, *AWS AI Practitioner*, AWS Solutions Architect Associate*, HashiCorp Terraform Associate*, Coursera ML Certificate*

Languages
Java (8/11), Python, TypeScript, JavaScript, C++, HTML5, CSS3, PL/I (Mainframe)

Frameworks & Libraries
React, Redux, Node.js, Spring Boot, Express, Chart.js, Recharts, Tailwind CSS

Cloud & Infrastructure
AWS (Lambda, API Gateway, Cognito, Amplify, DynamoDB, S3), Azure (AZ-900), Google Cloud Platform (GCP), Docker, Terraform

DevOps & Tooling
GitLab, Postman, CI/CD Pipelines, SonarQube, Checkmarx, Twistlock, Dynatrace, Elk/Kibana, PagerDuty

Concepts & Practices
Object-Oriented Design, RESTful APIs, Test-Driven Development (TDD), Debugging, System Architecture, Agile/Scrum, Reliability & Scaling, Neural Networks

FEATURED PROJECTS

Cloud Real Estate Monitoring App
Developed a full-stack rental property analysis platform to calculate cash flow, ROI, and break-even points for investors.
- **Frontend**: React, Recharts, glassmorphic UI
- **Backend**: AWS Lambda, API Gateway, DynamoDB
- **Authentication**: Amazon Cognito with Amplify integration
- **Features**: Scenario editing, automatic sync, role-based access
  View Website Demo

RenaissanceCarr.com (Portfolio Website)
Designed a cloud-native, terminal-themed portfolio to showcase projects, certifications, and personal brand.
- Built with React, TypeScript, Tailwind, Vite, and Framer Motion
- **Features**: Animated CLI intro, custom AI assistant terminal, skill orb, dynamic project roadmap
  Visit Website

NM Messenger (Intern Hackathon Project)
Collaborated on a real-time stock investment chatbot during a Northwestern Mutual intern hackathon.
- **Frontend**: React, Bootstrap
- **Backend**: Node.js, Express, PostgreSQL
- **APIs**: IEX Cloud API for stock data
- **Features**: Live stock queries, portfolio simulation, chart visualizations
  View Source

Recipe Manager Web Application
Built a CRUD-based recipe management platform with a 10-member team using Agile methodology.
- Enabled user sign-in, personal collections, and tag-based search
- Focused on simplifying meal planning and recipe organization
  Technologies: HTML5, CSS, JavaScript
  View Source

Convolutional Neural Network Trainer
Created a two-layer CNN to classify handwritten digit images.
- Implemented convolution, ReLU, max pooling, and fully connected layers
- Achieved high accuracy with low loss metrics
  Technologies: Python, PyTorch