

# Caleb Rider

## Software Engineer

Richmond, Virginia

### PROFESSIONAL EXPERIENCE

#### CarMax (React, Azure, C#, .NET)

#### Software Engineer II

05/2025 - Present

CarMax is the world's largest used vehicle retailer. I currently develop systems critical to vehicle supply operations.

- Designed a feature-based React (Next.js) UI w/ Tailwind CSS, Server Actions/Components, & integrated w/ APIs
- Developed REST API CRUD endpoints in C# to improve vehicle assessment data management
- Transformed & mapped legacy metadata across multiple systems to be used in modern architecture
- Implemented the addition of new vehicle assessment state property
- Collaborated across teams to filter synthetic vehicle purchase offers through high-traffic systems
- Mentored a new engineer, sharing improved documentation and insights acquired from own onboarding

#### Capital One (Python, AWS)

#### Software Engineer

03/2024 - 04/2025

Capital One is a financial services company. I contributed to Cyber Identity and Access Management (IAM).

- Wrote documentation for and developed multiple REST APIs using Python and AWS Lambda
- Developed a GraphQL API in Python and set up the Docker image/container to run it in ECS Fargate
- Wrote unit tests and end-to-end tests for APIs
- Set up logging and monitoring for AWS Lambda functions
- Set up both SQL (RDS Aurora) and NoSQL (DynamoDB) database infrastructure for integration with APIs
- Tested API performance using Apache JMeter
- Performed and documented database failover/failback testing

#### Insurify (Python, AWS, C#, Azure)

#### Software Engineer

09/2022 - 01/2024

Insurify is a machine learning, AI-powered platform that simplifies comparing car insurance quotes.

- Developed and implemented an API data translation service in the AWS Lambda serverless infrastructure. This service proxied communications for multi-cloud components located in both Microsoft Azure and Amazon Web Services. Tools employed: Python, AWS Lambda, API Gateway, test-driven development.
- Developed and maintained a UI for a business rules engine application. Tools employed: C#, Blazor, .NET MAUI
- Co-developed Online Bind API which facilitates auto insurance payment transactions. Tools employed: C#, OOP
- Assisted in machine learning model maintenance and retraining. Tools employed: Python.

#### Freelance (React, Next.js, Solidity)

#### Blockchain Developer

06/2021 - 08/2022

- Developed ERC721, ERC1155, and SBT Smart Contracts using Solidity.
- Built apps using React/Next.js with Ethers.js, Alchemy APIs, and Etherscan APIs for blockchain integration.

#### Framatome (C#)

#### Software/Electrical Engineer & Internship

05/2018 - 05/2021

Framatome provides engineering and technology solutions for nuclear reactors around the world.

- Used C# to develop a fuel assembly location plotter for nuclear reactors.
- Used Python to generate automated equipment data reports.
- Designed nuclear fuel transfer test equipment using various electrical components.
- Manually operated and tested nuclear fuel transfer systems and equipment.

### EDUCATION

#### Liberty University

#### Electrical Engineering (B.S.)

Class of 2020

GPA: 3.45 | DI Track & Field

### TECHNICAL SKILLS

Python | C# | .NET | TypeScript | React / Next.js | SQL | NoSQL | Redis | AWS | EC2 | Lambda | Fargate | Azure | Azure DevOps | Cosmos DB | Team Foundation Server | GitHub | Asana | Notion | OOP | TDD | Agile | CI/CD | IAC