

Experience

Confluent

Senior Software Engineer

Remote

Jan 2025 – Present

- Developed a complete, end-to-end certification platform using GatsbyJS and AWS and accelerated certification issuance
- Engineered a highly secure, scalable serverless backend using AWS CDK, RDS, Lambda, API Gateway, and Auth0
- Designed a detailed and scalable database using PostgreSQL and Drizzle ORM to support complex data relationships
- Implemented an autogenerated API contract layer to ensure type safety and consistency between frontend and backend
- Modernized architecture by migrating to TypeScript and integrating React Query for efficient data fetching and state management

Capital One

Software Engineer

McLean, VA

Sep 2023 – Jan 2025

- Smoothed customer experience and increased product reliability by leading and developing AWS Glue ETL jobs
- Researched, designed, and proposed web architecture by communicating across teams and using datasets, AWS, and Figma
- Created and wrote tests for customer facing web app features and bug fixes via AngularJS, TypeScript, and SCSS
- Increased debuggability by producing mock data tooling via Yaml configs and Python and scheduling jobs via Airflow

UiPath

Software Engineer II

Bellevue, WA

Mar 2021 – Feb 2023

- Increased cohesiveness and efficiency by building React, Angular, and StencilJS web components shared between products
- Delivered complex web app pages for Cloud, Kubernetes, and MSI environments and serviced them after talking with customers
- Initiated and elevated automatic testability in components and products via Playwright, Storybook, Cypress, and Jest
- Removed hundreds of Node.JS security vulnerabilities after building and sharing cross-repo GitHub Actions

Microsoft

Software Engineer II

Bellevue, WA

Aug 2019 – Mar 2021

- Decreased time to switch between iframes by 2+ seconds by caching shared and most recently used data on client
- Eliminated 400 ms from server response time by using asynchronous server response streaming in ASP.NET and C Sharp
- Cleared countless memory leaks in React by using resource disposal, memoization, and optimizing state management

Education & Certifications

Virginia Tech

Bachelor of Science, Computer Science

Blacksburg, VA

- Software Design, Data Structures, Algorithms, Systems, GUI, Human Computer Interaction, Languages, C, Java, Python

Amazon Web Services (AWS)

AWS Certified Solutions Architect - Associate

Jan 2024

- Systems design; when and how to apply AWS services for compute, storage, database, networking, monitoring, and security

Skills

Languages

- TypeScript, JavaScript, Python, Java, C#, HTML, CSS, SQL, Sass/SCSS, React, Node.js, Express.js, ASP.NET, AngularJS, StencilJS, React Native, Pandas, AWS (CDK, Lambda, RDS, API Gateway, Glue, Secrets Manager), PostgreSQL, PySpark, Kusto Query, Drizzle ORM, GitHub Actions, Airflow