Connor Hunter

Software Engineer

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Experience

UPS December 2023 – Present

Software Engineer Remote

- Led frontend development across multiple Angular applications, owning technical decisions, establishing reusable patterns, and serving as an Angular SME for the broader engineering team.
- Architected and delivered full-stack features across Angular, Spring Boot, REST APIs, and SQL, shaping frontend structure, API contracts, and service integrations from requirements through production.
- Mentored engineers through code reviews, technical guidance, and knowledge sharing while helping establish consistent development practices across applications.
- Partnered with product owners and engineers to translate operational requirements into scalable technical solutions and drive features through deployment using OpenShift and Argo CD.

UPS May 2022 – December 2023

Software Engineer Intern Remote

- Built internal automation and tooling with Python, Bash, Jenkins, and OpenShift to support platform operations and reduce manual engineering effort.
- Collaborated with DevOps and application teams to troubleshoot deployment, pipeline, and infrastructure issues affecting internal services.
- Automated SSL certificate setup with Bash scripting to streamline secure TLS certificate installation in production environments.
- Supported Jenkins CI/CD pipelines and deployment workflows for internal applications and infrastructure services.

Education

Rochester Institute of Technology August 2019 - December 2023

Bachelor of Science in Computer Science Rochester, NY

- **Advanced Coursework:** Cryptography, Parallel and Distributed Systems, Concepts of Computer Systems, Database System Implementation, Data Cleaning and Preparation, Data Structures and Algorithms
- **Mathematics Coursework:** Complex Variables, Linear Algebra, Differential Equations, Multivariable Calculus, Probability and Statistics, Discrete Mathematics and Proofs, Project-Based Calculus I–II

Certifications

AWS Certified Solutions Architect – Associate March 2025

Amazon Web Services

Projects

Portfolio | *TanStack Start*, *React*, *TypeScript*, *Zod*, *AWS Amplify*, *CloudFront*, *S3* | connorhunter.me

- Built and deployed a TanStack Start portfolio that loads profile and project data from CloudFront-backed manifests instead of hardcoded components.
- Implemented typed routes, Zod-validated content, and native readers for docs, diagrams, coverage, and changelogs, with shared light and dark themes and a PDF resume viewer.

Cipher | *Rust*, *Tauri*, *React*, *TypeScript*, *AWS CDK*, *Cognito*, *ECS*, *DynamoDB*, *S3*

- Built a Rust and Tauri desktop foundation with typed crates, strict production configuration, HTTP health routes, and a closed-alpha realtime gateway design.
- Deployed invite-only Cognito, service-owned DynamoDB data, and private S3 media with S3-managed encryption in one persistent production environment.
- Defined client-owned E2EE boundaries and AWS CDK/CloudFormation delivery for one modular ECS Fargate backend task; scaling and HA are deferred.

Artifact Generator | *TypeScript*, *Bun*, *PDFKit*, *Mermaid*, *Tectonic*, *S3*, *CloudFront*

- Built a Bun and TypeScript pipeline that compiles Markdown documentation, JSON indexes and site content, versioned SVG diagrams, and docs, coverage, and changelog PDFs.
- Automated manifest-ordered builds, LaTeX resume compilation, bundle assembly, S3 publishing, and CloudFront invalidation across portfolio projects.

Technical Skills

Languages: Java, TypeScript, Rust, JavaScript, Python, SQL, HTML, CSS, Sass/SCSS

Frontend & Application: React, Angular, Next.js, TanStack Start, TanStack Router, TanStack Query, Redux, Zustand, Zod, Tailwind CSS, AG Grid

Backend & APIs: Node.js, Spring Boot, FastAPI, REST APIs, WebSockets, OpenAPI/Swagger, Bruno, Postman

Cloud & Infrastructure: AWS Amplify, Cognito, IAM, EC2, ECS/Fargate, ECR, Lambda, API Gateway, S3, EBS, RDS, DynamoDB, ElastiCache, CloudFront, Route 53, VPC, ELB/ALB, Auto Scaling, SQS, SNS, Kinesis, EventBridge, CloudWatch, CloudTrail, ACM, KMS

Databases: PostgreSQL, SQL Server, DynamoDB, relational modeling, NoSQL

Security & Identity: OAuth 2.0/OIDC, JWT, PKCE, HttpOnly cookies, IAM roles, CloudFront OAC, presigned URLs, SSE-KMS, end-to-end encryption

DevOps, Tooling & Quality: Git, GitHub Actions, CodeQL, Docker, Argo CD, Jenkins, Azure DevOps, Maven, Bun, Vite+, React Doctor, uv, LaTeX, Mermaid, JUnit, Mockito, Jest, SonarQube, JFrog, Linux, Zed, IntelliJ IDEA, WebStorm, RustRover, PyCharm, VS Code

Concepts: Full-stack development, CI/CD, microservices, serverless architecture, event-driven systems, automation, unit testing, database design, data normalization, object-oriented design, OWASP ZAP, Agile/Scrum