

Tyler Hinrichs

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EXPERIENCE

Travelers

Associate Software Engineer

Engineering Development Program Software Engineer

Hartford, CT

June 2025 - Present

June 2024 - June 2025

- Chosen for a cross-team initiative to build an internal application explorer, developing a Backstage custom entity provider and domain layer API to integrate and visualize IAM data from Okta APIs
- Built and maintained fullstack features for enterprise CI/CD pipeline and developer platform accounting for 70% of cloud deployments at Travelers, comprising 4200+ internal and external applications
- Delivered pipeline production support, resolving ~100 requests during on-call rotations (1 sprint every 5) in collaboration with another engineer across CI/CD, Terraform, GitHub Actions, and AWS/EKS
- Created developer platform UI with modular React/TypeScript microfrontends, leveraged company design library and custom SASS, implemented robust Jest behavioral tests, and contributed to RBAC workflows with CASL and Okta for maintainable, high-quality components
- Built developer platform backend through NestJS/Express microservices and APIs deployed on EKS/Argo, supplemented by AWS Lambda functions, integrated with automated CI/CD through GitHub Actions, and maintaining security through Hashicorp Vault and Okta

Software Engineering Intern

June 2023 - August 2023

- Developed a Python/Selenium application providing a suite of automated data gathering methods through a robust command line interface to streamline data gathering for the SOX application audit process

Wellinks

Junior Software Engineer

Software Engineering Intern

New Haven, CT

August 2022 - March 2023

June 2022 - August 2022

- Android developer leveraging Kotlin, Android SDK, external REST APIs, Rollbar, and Mixpanel for new feature work and code maintenance, serving over 1,000 patients with COPD
- Led development for a proof of concept feature in the Android app giving comprehensive environmental insights based on local weather metrics tailored to COPD wellness

EDUCATION

University of Connecticut, Storrs, CT

Bachelor of Science, Computer Science, Mathematics minor

August 2020 - May 2024

GPA: 4.0

SKILLS

- **Languages/Frameworks:** TypeScript, React, Node.js, Express.js, NestJS, Zustand, JavaScript, Python, Kotlin, C++, HTML, CSS
- **AI Tools:** Claude Code, Claude agents, ChatGPT, GitHub Copilot, Claude.ai, Microsoft Copilot, Jira AI/Rovo, Amazon Bedrock, MCP
- **Tools/Platforms:** MongoDB, Liquibase, AWS (S3, Lambda, CloudFront, EKS), Terraform, Git/GitHub, GitHub Actions, SonarQube, Snyk, Swagger, Android SDK, HashiCorp Vault, Okta SSO, Backstage
- **Development Practices:** RESTful APIs, Microfrontend Architecture, MVVM, MVC, CI/CD, Unit & Integration Testing (Jest), Event Driven Architecture, Role-Based Access Control (RBAC)

PROJECTS

Logicbroker Buy Online, Pickup In Store (BOPIS)

August 2023 - May 2024

- Contracted to deliver fullstack BOPIS proof-of-concept, presenting solutions to CEO and shareholders
- Built a reusable embeddable component with a modern UI using Next.js, MongoDB, Vercel, Python, and Shopify, creating an efficient, scalable geospatial mapping solution for ecommerce clients

Admin Scheduler, tylerhinrichs.com/thesis

August 2023 - May 2024

- Researched the efficacy of using the genetic algorithm for administrative scheduling needs
- Built a fullstack scheduling application with React, Tailwind CSS and ShadCN frontend, MySQL database, and Flask API to expose Python algorithm implementation alongside CRUD API/Database connection