

# Tyler Hinrichs

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## EXPERIENCE

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### Travelers

*Associate Software Engineer*  
*Engineering Development Program Software Engineer*

Hartford, CT  
June 2025 - Present  
June 2024 - June 2025

- Selected for a cross-team initiative to build an internal developer portal, developing a Backstage custom entity provider and domain layer API to integrate and visualize IAM data from Okta APIs and Terraform
- Built and maintained fullstack features for enterprise CI/CD pipeline and developer portal 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 portal 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 backend for developer portal 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 and Selenium-based application providing a suite of automated data-gathering methods through a robust command line interface to enhance and quicken data gathering for 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

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### University of Connecticut, Storrs, CT

*Bachelor of Science, Computer Science, Mathematics minor*

August 2020 - May 2024  
GPA: 4.0

## SKILLS

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- **Languages/Frameworks:** TypeScript, React, Node.js, Express.js, NestJS, Zustand, JavaScript, Python, Kotlin, C++, HTML, CSS
- **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

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### 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 efficacy of the genetic algorithm for administrative scheduling and logistical coordination
- Built a web-based fullstack scheduling application with React, Tailwind CSS and ShadCN frontend, MySQL database, and Flask API to expose Python-based algorithm implementation and connect to database