Anthony Lieu

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EDUCATION

Rochester Institute of Technology   *Rochester, NY*
Bachelor of Science in Software Engineering   *Expected May 2027*
GPA: 3.86, Dean's List Fall 2023 – Spring 2025
Coursework: Software Process & Project Management, Intro to Software Engineering, Engineering of Software Subsystems, Web Engineering, Software Testing, Engineering of Cloud Software Systems

EXPERIENCE

Software Engineer   *Rochester, NY*
Excellus BlueCross BlueShield   *June 2025 – August 2025*
- Developed comprehensive JUnit test suites across multiple repositories, achieving 90–100% code and line coverage to enhance software reliability and performance.
- Contributed to Agile development through active participation in ceremonies, peer reviews, and the creation of robust end-to-end test suites using Selenium and REST Assured.
- Maintained and updated critical documentation for company repositories, improving clarity and accuracy of user guides published on the company website.
- Operated and monitored Azure DevOps pipelines, ensuring successful builds and tracking accumulated effort throughout development cycles.

PROJECTS

Intelligent Stock Market News Analyzer | React, AWS   *September 2025 – November 2025*
- Led a team in developing a cloud-based Stock Market News Analyzer using AWS, managing the Kanban board, creating tasks, and delegating responsibilities to ensure timely project delivery.
- Developed the frontend with React and the backend using Terraform and AWS, provisioning EC2, S3, API Gateway and Lambda, RDS, SNS, Cognito, and Comprehend to enable full-stack functionality and sentiment analysis.
- Implemented GitHub Actions CI/CD pipelines to automate Terraform provisioning and teardown, streamlining cloud infrastructure deployment and testing workflows.

NutriKit | *React, Flask, PostgreSQL*   *November 2024 – December 2024*
- Developed food management application for tracking and viewing nutritional information, with client-server architecture.
- Built client side using React for interactive UI and server side with Python and Flask to handle business logic and REST API endpoints.
- Implemented PostgreSQL database to securely store and query food item and nutritional data, enabling seamless client-server communication via HTTP requests.

U-Fund | *Angular, Spring Boot*   *August 2024 – November 2024*
- Led Agile process within team of five, organizing team meetings, creating epics, user stories, and acceptance criteria in product backlog, while managing documentation, code coverage, and code review to support efficient sprint execution.
- Assisted on backend development using Spring Boot, building REST APIs to securely handle charity postings, donations, and volunteer interactions.
- Contributed to developing frontend using Angular, ensuring smooth user experience for donations and volunteering, while closely integrating it with backend functionality.

TECHNICAL SKILLS

Programming Languages: Java, Python, C, TypeScript/JavaScript, HTML/CSS
Frameworks: Angular, React, Spring Boot, Flask, Reactstrap, Node.js
Cloud & Container: AWS (EC2, S3, Lambda), Terraform
Big Data & Database Tools: SQL (PostgreSQL, MySQL)
Testing & Automation: JUnit, Pytest, Selenium