

Ryan Thomas

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TECHNICAL SKILLS

- **Programming Languages:** Python, C#, Java, JavaScript
- **Frontend:** React.js, Material-UI, HTML, CSS
- **Backend:** Flask, Express.js, Node.js, REST APIs
- **Databases & Tools:** PostgreSQL, MySQL, SQLAlchemy, Prisma, Git/GitHub, Postman, Selenium WebDriver, Auth0, Clerk Auth

PROJECTS

[G List](#) | Backend Software Engineer & Project Lead

August 2025

- Led 3-person team (sole backend engineer + 2 frontend developers) from concept to full-stack production deployment (Vercel/Render) in 3-week sprint
- Engineered real-time collaborative grocery list application using Socket.io and Express.js, enabling seamless multi-user synchronization with modular, scalable architecture
- Designed and implemented PostgreSQL database schema with Prisma ORM, optimizing queries to achieve <800ms average response times on free-tier infrastructure
- Developed 25+ RESTful API endpoints for item management, group operations, and cost tracking with automatic calculations
- Built comprehensive group management system with invite-based access control, user authentication, and role-based permissions
- **Technologies:** Express.js, Node.js, Socket.io, Prisma, Supabase, PostgreSQL

[Rate My League Teammate \(RMLT\) V1](#) | Full-Stack Software Engineer

November 2024 - January 2025

- Built full-stack web application enabling League of Legends players to rate and review teammates, featuring player search, rating submission, and analytics dashboard
- Developed RESTful API backend with Python/Flask and SQLAlchemy, implementing database indexing strategies to optimize query performance for player profiles and ratings
- Integrated Riot Games API with rate limiting and error handling to add players to database and sync player profile data
- Designed responsive React frontend with Material-UI components and implemented secure user authentication using Clerk
- **Technologies:** Python, Flask, SQLAlchemy, MySQL, React.js, Material-UI, Clerk Auth

PROFESSIONAL EXPERIENCE

[Broadridge](#) | Associate Quality Assurance Engineer

February 2025 – Present

- Created and automated 200+ test cases using Selenium WebDriver (C#/Java), achieving 85% automation rate and reducing regression testing time from 3 days to 8 hours across 15+ sprint releases
- Identified 20+ critical bugs in internal financial applications through comprehensive end-to-end testing, ensuring quality standards for production deployments
- Developed automated API test suite validating data integrity, response times, and error handling across RESTful services in agile development environment

CERTIFICATIONS

- **CompTIA Security+** | AWS Certified Cloud Practitioner

EDUCATION

[Iona University](#) | Bachelor of Arts: Computer Science

August 2019 - May 2023

- **Relevant Coursework:** Data Structures & Algorithms, Artificial Intelligence, Database Design & Implementation, Computer Networking & Network Programming

[The Knowledge House](#) | Full-Stack Web Development Fellowship

January 2025 - December 2025

- 12-month intensive program covering React.js, Express.js, Node.js, PostgreSQL, RESTful APIs, and agile development methodologies
- **Capstone Project:** Led 3-person team to build and deploy G List, a real-time collaborative grocery application
- **Bloomberg x TKH Hackathon:** Designed backend architecture and database schema for Virtual Study Buddy peer-matching platform as sole backend developer

[NPower](#) | Advanced Cybersecurity Training Program

August 2024 - December 2024

- 18-week intensive cybersecurity program covering network security, threat analysis, and risk management