

## Patrick Lang

Full Stack Developer

**Skills:** Full Stack Development | Agile Software Development | Software Development Lifecycle (SDLC) | Object-Oriented Programming | Continuous Integration Continuous Delivery (CI/CD) | 3rd-Party Integration | RESTful APIs | Unit Testing | Version Control

**Technologies:** JavaScript | TypeScript | Node | React | Redux | Jest | Express | Axios | Postman | Git | GitHub | Bootstrap | Jenkins | Feature Flags (LaunchDarkly) | Secret Management (Vault) | RDBMS (PostgreSQL) | NoSQL (MongoDB) | Java Spring Boot | Rafay | SumoLogic | API Gateways (Kong) | HTML | CSS | Socket.io

## EXPERIENCE

**MassMutual Life Insurance Co, Boston, MA**

2022 - 2024

### Full Stack Developer

Developed and maintained policy-servicing application for financial professionals with > 70K average monthly sessions. Applied cross-functional skillset to broad aspects of React/Node development cycle, from technical review to development, testing, stakeholder presentation, and documentation. See [Commit History at MM](#).

- Achieved major business goals collaboratively with release of ServiceNet 2.0, improving user experience.
- Reduced phone center expenses by contributing to digitalization of 9 new policy transactions.
- Developed and expanded application features in React with a concentration on code clarity, component reusability, documentation, and unit test coverage.
- Developed and integrated RESTful APIs to consume enterprise microservices, tailoring data to meet specific user needs and enhancing application functionality.
- Maintained application integrity by working with infrastructure teams on API gateway transition (DataPower to Kong), as well as AWS Landing Zone, Kafka Confluent Cloud, and Vault SaaS migration.
- Drove efficiency by establishing and documenting team processes such as dynamic email template creation, enterprise API troubleshooting, feature flag version documentation, and DocuSign template creation.
- Anticipated stakeholder needs and influenced application feature discussions by developing agent aggregate data visual dashboard proof of concept.
- Initiated, drafted, and executed high-performing team Agile self-assessment survey and discussion.

## PERSONAL PROJECTS / OPEN SOURCE

### CODING PORTFOLIO

2020 - 2022

[\(SITE\)](#) | [\(GITHUB\)](#)

- Leveraged CodeCademy, FreeCodeCamp, and other resources to learn MERN and PERN stacks and built portfolio to demonstrate coding projects in interactive, three-dimensional ThreeJS-driven UI.

### TANKS FER NUTHIN' ("Scorched Earth" game clone)

2024 - Ongoing

[\(SITE\)](#) | [\(GITHUB\)](#)

- Wrote reusable TypeScript/React component to integrate JS Canvas API, simplifying animation creation and increasing rendering efficiency.
- Currently enabling WebSockets in Java Spring Boot for online multiplayer. Frontend integration via RTK Query.

### LECTURNA QUIZBUILDER

2021

[\(GITHUB\)](#)

- React / PostgreSQL / JWT app for language quiz creation and automatic scoring.

## EDUCATION

Certificate Course, MIT Professional Education Applied Data Science Program (2025 - Ongoing)  
Doctor of Philosophy (PhD), German Studies, Duke University, Durham, NC, and UNC Chapel Hill, NC  
Master of Philosophy (MPhil), Comparative Literature, Trinity College Dublin, Dublin, Ireland  
Bachelor of Arts (BA), Political Science, State University at New York, Buffalo, NY

## CERTIFICATIONS

Security Journey, White Belt for HackEDU: Foundational | Web Developer  
Security Journey, Green Belt for JavaScript / Node.js

2024

2022