

# Kelvin Ihezue

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## EDUCATION

### Rutgers University — School of Graduate Studies

*Master of Science in Software Engineering*

- Bachelor of Science in Computer Science, Minor in Economics — GPA: 3.6

New Brunswick, NJ

*Expected December 2026*

## WORK HISTORY

### Johnson & Johnson Technology

*Software Development Co-op*

Raritan, New Jersey

*Jan 2025 – Jun 2025*

- Built a **Python** CLI that auto-integrates **TanStack Router** into **J&J's React** starter, cutting new-app setup by **40%** and reducing onboarding friction by **60%**.
- Designed the **J&J** Recognition App homepage using **React** & **Vite**, achieving **27%** faster loads, **33%** smaller pages, and **95%** user satisfaction.
- Utilized **Bitbucket** with **Git** and CI checks across **12** projects to standardize workflow, cutting review time by **38%**, reducing release conflicts by **45%**, and delivering **zero** emergency rollbacks last quarter.

### Cisco

*Software Developer Intern*

Iselin, New Jersey

*May 2024 – Aug 2024*

- **Led** the development and optimization of **internal web tools** using **Python**, **React**, and **REST APIs** to automate product testing **workflows**, reducing manual reporting time by **35%** across multiple **R&D** teams.
- Collaborated with **engineers** to design a **real-time** factory metrics dashboard **SQL** & **Power BI**; modeled **25+** KPIs with **5-min** refresh, cut manual reporting time by **35%**, shortened decision cycles by **30%**, and drove adoption to **40+** users across **3** sites.

## TECHNICAL PROJECTS

### FittedIn |

- \* **Utilized Node.js/Express** & **PostgreSQL** in developing a **wellness social platform** that turns solo **health tracking** into a **social experience**, so users stay **motivated** through accountability and shared progress.

### TradeLens |

- \* **Built** a scalable **FastAPI** backend web app, migrating storage to **Firestore** and implementing **live SMA-driven trading signals** so users can **create portfolios**, **analyze positions in real time**, and **make more informed investment decisions**.

### RU-FileSystem |

- \* **Designed** a user-space **FUSE** file system (**4 KB blocks on a 32 MB** “virtual disk”) with **bitmap allocation** and full path resolution, which manages **1,000+** files to help **students & TAs** in **OS courses** reliably **test/debug** file system behavior.

### x86 Compiler |

- \* **Developed** a two-stage **Rust compiler** that parses a mini **imperative language** and emits tested **x86-64 machine code**, letting **developers** turn high-level expressions and control flow into runnable **binaries** while making low-level compiler internals **transparent and debuggable**.

## TECHNICAL PROFICIENCY

**Languages:** Python, JavaScript/TypeScript, Swift, SQL, C/C++.

**Frameworks/Libraries:** React, Node.js/Express, SwiftUI; TanStack Router, Sequelize.

**Database & APIs:** PostgreSQL, Google Firestore, Firebase (Auth, Firestore, Storage), REST/JSON.

**DevOps:** AWS (EC2), Docker, GitHub Actions.

**Tools & Testing:** Git (GitHub/Bitbucket), Postman, Linux/Unix, Jasmine, Pytest.

**Certifications:** Professional Scrum Master 2025 (PSM I)