

Kelvin Ihezue

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EDUCATION

Rutgers University — School of Graduate Studies

Master of Science in Software Engineering

New Brunswick, NJ

Expected December 2026

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

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 **Firebase** 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)