

# SAMUEL PINHEIRO

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## PROFESSIONAL EXPERIENCE

**Mark43**, New York, NY

**November 2019 - Present**

### SENIOR SOFTWARE ENGINEER

- Collaborated with software engineers and developers on re-platforming the Records Management System; cross-functionally collaborates with Project Managers, Product Owners, QA, Customers, and Dev-Ops for prioritization, development, and testing.
- Lead back-end engineer and code contributor on team for brand new Jail Management System and "V2" of entire platform-- a Progressive Web App using Spring Framework.
- Drove forward new authentication/IDP system for platform, taking ownership and integrating Keycloak as well as Azure AD/b2c with the platform.
- Developed and expedited high-priority fixes and features for clients that affected mission-critical applications. Organized patches, production deploys, and attended hackathons on-site with customers to address highly diverse needs in real-time.
- Optimized and transformed the login process allowing 46,000 users to cross-login; drove efficiency. Supporting the initiative to cut over the JavaScript code to TypeScript as part of a larger technical refactor.
- Conceptualized several technical documents: decreasing time to deploy clients by 65%, co-conceptualizing the architecture of a brand-new Progressive Web App, reducing thousands of useless data rows from internal processes and production data; exponentially improving efficiencies.
- Mentored and trained multiple interns and junior engineers for application operational support.

**SCHONFELD STRATEGIC ADVISORS**, New York, NY

**July 2018 - January 2019**

### PROGRAMMER, DATA ANALYST

- Executed a wide range of data science duties using Python (pandas), SQL, Q, and Excel.
- Automated the bi-annual reporting process summarizing performance, and risk assessment compliance analysis for the company.
- Modernized and maintained company data and streamlined processes/automation for legacy code.

**CHARLES RIVER DEVELOPMENT**, Burlington, MA

**January 2017 - July 2018**

### SOFTWARE ENGINEER

- Wrote programs in Java/C# on a large code base with Perforce and Ant for an investment solutions provider managing more than \$25 trillion dollars in assets in the institutional investment, wealth management, and hedge fund space.
- Ignited QA efficiency 90% through authoring and conceptualizing a mock testing platform that streamlined engineer/customer workflows.

**NORTHEASTERN UNIVERSITY**, Boston, MA

**January 2017- June 2019**

### TEACHING ASSISTANT

- Shaped and supported the design and implementation of an innovative curriculum for Java, Object-Oriented Design, and teamwork as well as understanding design patterns.
- Transformed student interest and maximized learning through a broad range of advanced IT instructional techniques and the development and continuous improvement of instructional programs.

## ENGINEERING PROJECTS

### SELF-HOSTING BITWARDEN SERVER

*Set up my own server instance for password manager (Bitwarden) utilizing existing open-source Rust application.*

### ADVENTURE GAME / REN'PY ENGINE

*Leading development of interactive adventure game using Ren'Py engine built with Python. Contributing to open-source Ren'Py project with pull requests.*

## TECHNICAL SKILLS

**LANGUAGES** - Java, Python, C#, GraphQL, SQL, ReactJS, TypeScript, JavaScript, SQL, Q (KDB), HTML, CSS, shell scripting

**DATABASE** - MS SQL Server, MySQL

**SOFT SKILLS** - Cross-functional Team Leadership, Agile Software Development, Large Scale Program/Project Management, Customer Centricity/CRM, Strategic Capacity Growth & Systems Innovation, Transformational Leadership & Coaching, Collaborative Vision & Goal Setting, Continual Process Improvement, Creativity, Critical Thinking & Problem Solving, Inclusive Training & Mentoring.

## EDUCATION

**Northeastern University**

Bachelor of Science (B.S), Computer Science

Major GPA: 3.60 / 4.0

Boston, Massachusetts

September 2015 - May 2019