

ROBERT EDWARD TROSTLE

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PROFESSIONAL EXPERIENCE

NIPR (National Insurance Producer Registry) - Remote

Software Engineer (Full-Stack)

Jan. 2024 – Present

- Serves as a key contributor in the development and modernization of enterprise SaaS applications using Java (Java 17), Kotlin, Spring Boot, and SQL (Oracle).
- Leads the full-stack migration of internal tooling, including the end-to-end conversion of the XML Generator from JavaScript to TypeScript using Next.js, and successfully deployed it to AWS EKS.
- Collaborates closely with CloudOps and engineering teams to troubleshoot and resolve complex issues within a microservices-based platform hosted on AWS (EKS, S3, EC2).
- Participates in Agile ceremonies (daily stand-ups, sprint planning, retrospectives) and contribute to iterative delivery using Scrum methodologies.
- Conducts design and code reviews, provides technical mentorship to peers, and fosters best practices in clean code, testing, and system design.
- Develops and maintains robust RESTful APIs and full-stack applications, ensuring seamless integration and scalability.
- Builds and tests high-quality, maintainable code with comprehensive unit and integration testing using JUnit and TestNG.

PNC BANK - PITTSBURGH, PA

Software Engineer (Full-Stack)

Mar. 2022 – Jan. 2024

- Develops mobile-optimized user interfaces for micro applications, employing TypeScript and the Angular framework.
- Manages JSON responses from a Java backend within the front end, leveraging Angular AJAX/RXJS observables for seamless handling of asynchronous requests.
- Utilizes MongoDB NoSQL database to efficiently store both static and transactional data, while interfacing with Spring APIs.
- Employs the Jenkins CI/CD pipeline and RedHat OpenShift to orchestrate software builds and deployments in compliance with Policy As Code.
- Spearheads change requests for software deployment via the ServiceNow platform.
- Employs Python scripts to train the indico document AI model, enhancing its capabilities in processing business application forms.

Software Developer Associate (QE)

Dec. 2020-Mar.2022

- Developed Java-based automation scripts using Selenium to conduct comprehensive testing of mortgage software applications.
- Proficiently extracted and organized data from various documents and files into structured data formats, employing specialized comparison algorithms to ensure data accuracy.

- Demonstrated a commitment to continuous improvement by integrating agile methodologies and ceremonies into the development process. Leveraged collaborative tools such as Azure DevOps, Jira, ALM, and Bitbucket to facilitate iterative development.
- Significantly improved sprint execution efficiency by an impressive 80% through the implementation of innovative automation code.

Business Analytics Specialist (PNC)

Oct. 2019–Dec.2020

- Collaborated within the Enterprise Issues Management Data Team for Retail Lending Strategy & Planning, contributing to a dynamic team focused on resolving complex, organization-wide challenges in the retail lending sector, impacting millions of customers.
- Employed Python (Pandas and NumPy), SQL, and Anaconda Jupyter Notebooks to extract, preprocess, and analyze extensive datasets, discerning both customer and financial implications for various issue projects encompassing millions of data points.
- Demonstrated initiative by independently developing a Python program to automate the large-scale splitting of PDF files, leveraging the Microsoft SharePoint API. Achieved a remarkable 90% reduction in time and resource expenditure for the department.

Investment Accounting Specialist (PNC)

Sep. 2016 – Oct. 2019

- Responsible for completing month end reconciliations for high-net worth clients; utilized accounting software.
- Worked with multiple databases to produce and compare complex reports for internal audits.
- Completed complex account changes to sub funds; including spending policies, recurring payments, and rebalancing. Initiated access to external users.

Social Media Moderator (PNC)

Jan 2014-Sep.2016

- Received and responded to customer inquiries regarding PNC products, services, and issues via Facebook, Twitter, LinkedIn, and YouTube.
- Provided feedback from special projects/pilots to improve work flow efficiency with digital software.

EDUCATION

Community College of Allegheny County

Jan. 2019 – Dec.2020

AS – Software Development

University of Pittsburgh

Aug. 2001 – Apr.2005

BA – Social Sciences, Minor – Legal Studies

Personal Portfolio: <https://robtrostle.github.io/rob-e-folio/>

SKILLS

Programming:

Work Experience: TypeScript, Java, Python, Kotlin, SQL, CSS, HTML, Gherkin, RESTful Apis, NoSQL

Personal/School Experience: .Net, C#, Asp.net, Visual Basic, C, C++

Tools: Anaconda/Jupyter Notebooks, IntelliJ, Microsoft Visual Studio, Git, Eclipse, ADO, Jira, Selenium, Cucumber, OpenShift, Jenkins, Git, Gitlab, Amazon Q Developer, New Relic, Sonar, AWS EKS, Bitbucket

VOLUNTEERING & ACTIVITIES

- Served as a Volunteer for Pittsburgh Vision Services at the Mario Lemieux Celebrity Golf Tournament.
- Member of the Varsity Men's Ice Hockey Team for the University of Pittsburgh.
- Volunteer for PNC's Grow Up Great Program helping low income schools.