

Joseph Charland

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Work Experience:

PNC Bank

Remote

Software Engineer – ATM Middleware (API development)

April 2022 – Current

- Developed an API to migrate 16,000,000 external customer preference records into an internal database
- Designed, developed, and implemented an email notification system for one-time passcode identity verification in collaboration with a Lead Engineer using Java, Rest APIs, and writing to a Kafka topic
- Created bimonthly vulnerability reports based on Archer and Contrast scans
- Worked closely with QA/QE engineers to help discover, report, and correct bugs
- Developed API up/down tool for nontechnical quality engineers to monitor API health
- Increased mutation code coverage to over 80% on 10 API code bases
- Maintained weekly framework compliance report which updated stakeholders on applicable compliance changes
- Participated in daily scrum meetings, sprint planning, refactoring, and other agile team functions

Business System Analyst – Small Business Lending

November 2021 – April 2022

- Led product management functions to create an enterprise-level user interface application on an agile development team
- Translated business requirements into technical specifications for the development team in JIRA
- Gathered data requirements needed to effectively deliver key features
- Designed mockups for features such as inline data validation and notification systems
- Completed a competitive analysis of our products and delivered to workstream leadership

Projects:

CryptoWatchers

Java – Spring – Angular

- Group project leveraging multiple APIS to watch and monitor user's favorite crypto coins
- Features systematic calls to API for price updates on large coins, trending news, and financial ticker

NFL Sports Betting Website

Python – Flask – HTML – SQLite3

- Created a website using RapidAPI's Live Sports Odds API to represent weekly NFL sports betting odds
- Gained experience in calling APIs, handling JSON data objects and dynamically displaying data on a webpage
- Utilized a Cron Job leveraging Github Actions to schedule and retrieve data and store it in a SQLite3 database

TweetMaker

Java – JavaFX

- Uses Java to create an API that helps users create images depicting fake tweets in a JavaFX scene
- Gained experience in Java and object-oriented programming

Education:

Community College of Allegheny County

Associates of Science in Software Development

Pittsburgh, PA

Fall 2022

University of Pittsburgh

Bachelor of Science Business Information Systems

Pittsburgh, PA

December 2019

Technologies and Skills:

- Java, Spring, Python, C, SQL, HTML, CSS, JavaScript, Jenkins, JIRA, SQLite3, Flask, Visual Basic, OpenShift4, Xamarin.Forms, Humio, Archer, Contrast, Dynatrace