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 all 5 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
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   **Pittsburgh, PA**
Associates of Science in Software Development   *Fall 2022*
University of Pittsburgh   **Pittsburgh, PA**
Bachelor of Science Business Information Systems   *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