Andrew Puglionesi

Software engineer

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EXPERIENCE

Philips, Remote
Software Development Engineer, Ambulatory Monitoring and Diagnostics
June 2022 - Present
- Develop a remote patient monitoring system that receives measurements from connected medical devices and provides alerts and analytics to healthcare providers and patients
- Build REST APIs and data pipelines to receive, transform, store, and publish health metrics
- Modernize projects and encourage best practices by creating and enhancing CI pipelines, integrating static analysis tools, and undertaking major framework upgrades and migrations
- Devise, socialize, and implement architectural transformations
- Identify and remediate security vulnerabilities
- Utilize Java, Spring Boot, MySQL, Angular, and GitHub Actions

McKesson, Remote
Sr. Associate Software Engineer, McKesson Pharmacy Systems
January 2019 - June 2022
- Utilized Java, Java EE, Spring Boot, Oracle SQL, Kafka, and Swing for client- and server-side development
- Developed and enhanced features of a SaaS pharmacy management system including COVID-19 vaccine reporting, controlled substance monitoring, electronic prescribing, auth flows, third-party notifications, and electronic payments
- Identified a critical requirements gap that would have led to rejection of health insurance claims
- Led tech workshops and code katas to develop colleagues' skills, as well as feature demos for top customers

UPMC, Pittsburgh
Summer Associate, UPMC Health Plan Consumer Technology
June 2018 - August 2018
- Utilized Angular and NativeScript to develop a rewrite of the UPMC Health Plan's cross-platform mobile application
- Developed features to help users search for in-network care, view and send insurance cards, and understand downtime
- Designed and built an internal desktop application using C# and SQL to help employees correct common data issues

Carnegie Mellon University, Pittsburgh
Summer Research Intern, Human-Computer Interaction Institute
May 2017 - October 2017
- Designed and developed an online learning community using Python, Django, HTML, CSS, and JavaScript/JQuery
- Developed video chat functionality for group work, developed automated email reminder notifications, redesigned event signup flow based on usability testing, developed site customization settings to suit different instructors' needs
- Led configuration, deployment, and maintenance of Heroku cloud production server

Meriney Lab, University of Pittsburgh, Pittsburgh
Undergraduate Research Assistant
January 2015 - September 2016
- Refined a computer model of a nerve cell to predict the efficacy of drug dosages in treating a neuromuscular disease
- Wrote scripts for data processing and automation using Python and Bash
- Analyzed and visualized data, communicated findings through presentations and writing

EDUCATION

University of Pittsburgh, Pittsburgh, PA
B.S., Computer Science

SKILLS

Skill sets	Web apps, RESTful APIs, relational databases, object-oriented programming, automated testing, CI/CD
Languages	Java, Python, SQL, TypeScript, JavaScript
Tools	Spring Boot, Java EE, React, Angular, Google Cloud Platform, Azure DevOps, GitHub Actions