

# Andrew Puglionesi

Software engineer

andrewpuglionesi@gmail.com | andrewpuglionesi.com | github.com/aop4

## EXPERIENCE

### Philips, Remote

Software Development Engineer, Ambulatory Monitoring and Diagnostics

June 2022 - Present

- Utilize Java, Spring Boot, MySQL, and Angular in a distributed ecosystem
- Discovered critical flaws that inspired major changes to system architecture and cross-system data migrations
- Develop a message broker to receive, standardize, and persist measurements from a wide range of medical devices
- Synchronized patient registrations, device assignments, and incoming measurements across systems as part of an architectural transition to a multi-tenant data platform
- Migrated repositories and CI pipelines from Azure DevOps to GitHub (Actions) and from Maven to Gradle
- Maintenance of several microservices and a patient/provider portal

### 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

<b>Skill sets</b>	Web applications, RESTful APIs, relational databases, object-oriented programming, automated testing
<b>Languages</b>	Java, Python, SQL, TypeScript, JavaScript
<b>Tools</b>	Spring Boot, Java EE, React, Angular, Google Cloud Platform, Azure DevOps, GitHub Actions, Gradle, Docker