

Patrick Powell

Profile

Over the course of my time working with object-orientated languages I have developed a passion for software craftsmanship; taking pride in writing meaningful code following SOLID principles and suitable design patterns that promote clean, reusable, and maintainable implementations. I regularly demonstrate my ability to pass on this knowledge and support to other members of my team by conducting one-to-one sessions and more wide-scale knowledge transfer sessions. I am confident in my pragmatic and collaborative approach to providing technical direction and helping define the logical steps required in order to achieve an end goal. I am currently looking for a role in a team that needs a strong developer who will help them to thrive and produce a product without compromising on quality. Whilst my experience is predominantly based within the mobile space I would relish the opportunity to broaden my experience by using new languages, technologies and concepts.

Employment History

Lead Android Engineer at Barclays Mobile Banking

July 2018 to Present

- Leading the development of new features and reimplementing of large sections of technical debt through design pattern driven programming and implementation of core framework of the Barclays Mobile Banking application.
- Leading technical and engineering direction throughout the wider team by promoting modern and common design patterns and methodologies such as TDD, MVP and clean architectural patterns.
- Rethinking outdated, largely manual, DevOps strategies by reimplementing build scripts to form larger automated pipelines and build processes predominantly using Jenkins as a CI platform.
- Protecting and optimising the bundling of an application binary to the Play Store by using a number of anti-tamper mechanisms to harden the application and also reduce the size of the overall binary.
- Supporting and mentoring junior developers in the team to improve their overall development skill and ability to work independently.

Android Engineer at Barclays Mobile Banking

May 2017 to July 2018

- Developing new features in agile feature teams such as the reimplementing of Barclays Mobile Banking's homepage, a common UI component library and a number of core framework components used throughout the application.
- Reviewing code for quality and ensuring general Android and Java best practises are adhered to.

Mobile Developer at wejo Ltd.

July 2016 to May 2017

- Supporting existing wejo applications for iOS and Android such as a white label journey tracking app re-skinned for a number of well-known UK insurers.

- Automation of build pipelines with the use of Gradle scripts and integration of DevOps tools such as Jenkins and Nexus.
- Spiking new technologies such as real-time streaming of data using a variety of bi-directional protocols.
- Working within an agile scrum team in order to produce a high quality product to a strict delivery schedule.

Software Developer at Footsqueek Ltd.

April 2015 to July 2016

- Android development – Java, material design, RESTful Services, custom views, SQLite, enhancing UX through data caching.
- Web development – .NET w/ C# (Web Forms), HTML5, CSS, JSON & JavaScript.
- Managing the release cycle of applications on behalf of clients, using the Google Play Console.

Education

BSc Computer Science at University of Chester

2013 to 2016

- Programming & Games Programming
- SQL Database Management
- Web technologies
- Networks & infrastructure

Aquinas College, Stockport (2011 – 2013)

- Computing - Grade C
- Physics - Grade B
- Acting - Distinction Merit (AB)

Poynton High School, Cheshire (2006 – 2011)

10 GCSEs Grade A – C including Maths, Sciences and English

Relevant Experience

Languages:

Java, Kotlin, Groovy, Bash, Node.js, Javascript, C# (.NET)

Build tools:

Jenkins, Pipelines, Maven, Nexus, extensive knowledge of Gradle, static code analysis tools such as Checkstyle and PMD, experienced in automating processes and integrating tools.

Other:

REST, Git