Brian Coveney

Graduate Software Developer

123 Clonlea
Mount Oval Village
Rochestown, Cork
0872273313
coveneybrian@gmail.com
www.github.com/BrianCoveney/

Education

2017–2018 **BSc (Hons) in Software Development**, *Cork Institute of Technology*.
2015–2017 **BSc (Ord) in Computing**, *Cork Institute of Technology*.
2012–2015 **Higher Certificate in Computing**, *Cork Institute of Technology*.
2000–2012 **Multiple Advanced AutoCAD training courses**.
1999–2000 **City & Guilds in Computer Aided Design using AutoCad**.

Skills

Languages:	Java, OOP, Spring, Android, Go	SCM:	Jenkins, Git, GitHub, JUnit
Testing:	JUnit, Mockito	Containers:	Docker
Web:	Rest API, HTML5, CSS3, Sass	VPS:	Google App Engine, AWS
Database:	MongoDB, MySQL	OS Exp.:	Linux, Windows, macOS

Some Familiarity With

Python, Apache PySpark, Machine Learning, Microservices, gRPC/protocol buffers, NATS, Kubernetes/Minikube, PHP, JS

4th Year Project

title: Android App for Speech Therapist — supervisor: Ignacio Castiñeiras

description: This project uses Speech Recognition to recognise and parses vocal input from the user in order to ascertain whether or not the user made a pronunciation error. The app uses Pattern Matching to see if the word vocalised falls under one of the Speech Disorders, such as Gliding of Liquids. The mobile app uses the MVP Architectural Pattern with Dagger 2 and Butterknife, for Dependency Injection. The Builder Design Pattern is utilised to increase the usability and readability of a Domain Object. Also, I containerised the Golang Web App and the MongoDB database on a Virtual Private Server using Docker.

project: Android Mobile App — GitHub Repository

project: Go website, Rest API & MongoDB — GitHub Repository

ongoing: Currently, the Mobile App communicates with the MongoDB database through a driver. This is not ideal because the Mongo Java Driver has no support for Android. To circumvent this I have used a community-developed fork of the driver. While this driver has worked without issue, I have found a better solution is to create a web service layer in the form of a Golang REST API and have the Mobile App consume its endpoints with the Retrofit client library. This will allow for greater flexibility and security.

Open Source

title Contributed to an open source project during the summer of 2017.

project https://github.com/teammates
Use builder instead of telescoping constructor antipattern #7701
Create Unit Tests for AdminEmailAttributes class #7947

3rd Year Project

title: ProTracker supervisor: Ted Scully

description This is a project management JavaFX application built for an Architects office. Data is persisted to MongoDB using the MVC architectural pattern. Unit tests are run through a Jenkins CI server, that performs a build on each commit to GitHub.

project JavaFx Application GitHub Repository

Experience

2015–2016 **Customer Care Technical Advisor**, *Apple*, Cork.

While in the process of completing my degree, I worked on the iOS team, part-time, remotely. The products I was responsible for supporting included: iPhone, iPad, Apple Watch, Apple TV and iTunes. Working with Apple was at times a high-pressure environment, especially when a new product or iOS update was launched. There were weekly reviews with targets set by my manager to improve on metrics, such as customer satisfaction score (CSAT) and call duration. I was able to keep a very high CSAT and other metric scores during my time there. I was also continuously assessed in the self-guided study assigned. This helped me keep up to date on the products and services. I enjoyed working at Apple, particularly getting to the root of an issue a customer was having.

1998–2012 **AutoCad Technician**, *Coveney & Associates Architects*, Cork.

In Coveney & Associates I was responsible for creating planning, tender and construction drawings, based on the brief of the lead Architect. Projects involved working with an interdisciplinary team of structural engineers, roads engineers, surveyors, planners, and builders. The company used AutoCAD, which is a computer-aided software tool, to create the drawings. When I first started working with Coveney & Associates, AutoCAD was still very new, and the architects at the time still created their drawings by hand. I took many training courses, during my time there, to stay up-to-date with the continuously updating software package and to improve my skills. It was also very important that our projects were delivered on time, on budget and to regulation specification. Alongside the architect, I attended site meetings and adapted the project's drawings as needed.
As a result of the recession and collapse of the construction sector in Ireland, I was made redundant in 2012. Due to my interest in technology, I was delighted to get a place in CIT, doing a BSc in Computing.

References

- Dr. Ignacio Castiñeiras, Lecturer, Department of Computer Science, CIT
  Tel: 021 4335857 | email: Ignacio.Castineiras@cit.ie
- Dr. Ted Scully, Lecturer, Department of Computer Science, CIT
  Tel: 021 4336140 | email: ted.scully@cit.ie
- Dermot Coveney, Supervisor, Coveney & Associates Architects
  Tel: 021 4842060 | email: coveneyarch@eircom.net