

Brandon Ibbotson

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Overview

Skills	Test-Driven Development, Agile, Git
Primary Languages	Go, Python, Kotlin, JavaScript (ES6/ES7), Java, C, C++
Extra Languages	Haskell, Intel x86/x64, LIMP, C#, UnityScript, Ruby, Clojure, Prolog

Experience

2.1 Arista Networks (Dublin) - Software Engineering Intern

June 2017 - June 2018

Wrote/Tested/Deployed TACC & C++ on high-performance switches around the world. Maintained Arista EOS Operating System. Worked exclusively in CLI over SSH. Interacted with switch hardware to toggle various features.

Technologies: TACC, C++, C, Perforce

2.2 Instil Software (Belfast) - Software Engineering Intern

July 2016 - September 2016

Full Stack Developer. Built REST API & Email Service with Kotlin. Increased test coverage by ~15% in first month. Maintained AngularJS frontend. Received first-class training on TDD and Refactoring.

Technologies: Kotlin, AngularJS, DropWizard, PostgreSQL, Swagger

Projects

LIMP - Functional Programming Language with 99% Test Coverage. Interpreter supports anonymous functions, objects, collections, strings, recursion, immutability, scoped constants, and a small standard library. Comes with a REPL. ([github](#))

Technologies: Python3.6

Entua - Android/iOS IoT app to configure events on smart devices within the Home. React-Native frontend. Go WebSocket backend. Raspberry Pi Hub. (proprietary, no source)

Technologies: Go, ES6, React-Native, Redux

byxor.xyz - Personal website. Hosts my programming blog and small interactive demos. ([github](#))

Technologies: Angular 5, TypeScript

Passflip - A lightweight SHA224-based password manager. Installable via pip. ([github](#))

Technologies: Python

Slimput - Faster input scanners for Java. ([github](#))

Technologies: Java

Kapoki - A multi-language skeleton generator for new projects. ([github](#))

Technologies: Bash, C++, Python

See more projects at www.byxor.xyz/projects

Education

Dublin City University, Ireland: *September 2015 - June 2019*

BSc. Computational Problem Solving & Software Development

Find out more at www.cpssd.net

 www.github.com/byxor

 www.stackoverflow.com/users/5601284

 www.byxor.xyz