Sean Borg

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PERSONAL STATEMENT

A software developer capable of using a multitude of languages and selecting the one best suited to the task. I enjoy automating the builds and tests needed for reliable and high quality software, that do not feel like a pain for developers to work with.

WORK

Software engineer   **April 2020 - Current**
Codethink   **(Full-time)**

- Learned and made heavy use of CI, mainly through Gitlab (now have a personal cluster of RPI Gitlab runners) but also have experience using jenkins and circle CI

- Gained a good understanding of large scale build systems

- Used Linaro Automated Velidation Architecture (LAVA) to help automate installation of OS's on RISC-V chip

Owner   **Nov 2019 - Current**
Track a Train   **(Part time)**

- Available on android app store **trackatrain.co.uk** access to source code available on request

- Gained understanding of android ecosystem; API's, google play store listing, charging subscriptions natively in app

- Making good use of unit tests to prevent regressions while iterating quickly

Software developer   **January 2018 - April 2020**
Handsfree Group   **(Contract)**

- Created a suite of apps hosted by Google app engine, front-end Angular, back-end Django

- Beta version of 'DVSA earned recognition's compliant software

- Back-end. Agency Driver Onboarding and Defect Reporting app, using test driven development to keep bugs down and prevent regressions

- Produced a demo Android app to communicate with a Pietel PTCarPhone **in 4 days**

PROJECTS

Nixos   **Feb 2021 - Current**
Self taught

- Learned and installed Nixos on all my devices, allowing me to treat my devices much more like cattle as rebuilding one can be done in minutes

- Manage 10+ devices with Nixos/Krops that can be updated remotely and do a wide variety of tasks; personal laptop, work laptop, home NAS and home automation

Personal   **Oct 2020 - Current**
Home (boat) automation

- Rolled out sensors across boat to track various data points using open source tools; zigbe2mqtt, grafana, prometheus

- Thanks to nixos, all the computers are backed up nightly and easily redeployable in 15 min if any break

AI competition   **Jul 2016**
Competition   **(1 week)**

- 65th out of 2405, creating a program to play Reversi(Othello) on hackerearth.com in Java

Visual Algorithms   **Jun 2015**
Android app   **(1 week)**

- Small app created, in my gap year, to learn more about Java and android programming

EDUCATION

Bangor University   **September 2015 - June 2018**
Second Class Upper division BSc in Computer Science