

# Sean Borg

23 keats ave, Rochdale, Lancs, OL127PZ

Mob: 07492 308 491

sean@seanborg.tech

www.seanborg.tech

## PERSONAL STATEMENT

---

A software developer who programs in whatever language is best suited to the task, however my favorite at the moment is Rust. I enjoy automating away the builds and tests needed for reliable and high quality software that does 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 experience using Jenkins and Circle CI
- Gained a good understanding of large scale build systems
- Used Linaro Automated Validation Architecture (LAVA) to help automate installing OS on RISC-V chip

**Track a Train** **Nov 2019 - Current**  
**Android app** **(CEO? )**

- Making good use of unit tests to prevent regressions while iterating quickly
- Gained understanding of Android ecosystem; APIs, Google Play Store listing, charging subscriptions natively in app
- Available on Android app store **trackatrain.co.uk** access to source code available on request

**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 PiTel 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; zigbee2mqtt, 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**