

# Aidan Gallagher

apjgallagher@gmail.com • <https://aidan-gallagher.github.io>

## Experience

---

### **Vyatta (AT&T Labs then Ciena) - Software Engineer**

**Apr '21 - Present**

- Developing software (Python & C) for the Vyatta Network Operating System.
- Refactored the quality of service (QoS) module within the dataplane to improve modularity.
- Delivered training to customer support on newly developed features.
- Created containerized build environment for developers & continuous integration systems to run in.
- Conducted technical hiring interviews.

### **Leonardo - Senior Software Engineer**

**Sep '19 - Apr '21**

- Developed mission critical software for a next generation radar system. From the project's inception I played a key role in defining the architecture, deciding on the technologies, and forming processes.
- Held reviews and made high level decisions covering all stages of the development life cycle (requirements, design, implementation & test).
- Helped the company's first agile transformation project as a certified SAFe Advanced Scrum Master.
- Responsible for breaking down, estimating and prioritising tasks as part of the project's agile workflow.
- Utilised strong understanding of C++ to develop new components, port legacy code and review pull requests.
- Architected the template for the component white box design which is now used across multiple teams.
- Wrote and maintained the build system (CMake) and CI pipeline (Jenkins & Python).
- Identified repetitive tasks and implemented Python scripts to automate them to improve team performance.
- Mentored engineers in multiple technical areas.
- Member of the company architecture forum to discuss strategic technical decisions.

### **Leonardo - Graduate Software Engineer**

**Sep '17 - Sep '19**

- Completed Graduate Scheme over 3 challenging projects, gaining experience in different technologies, software architectures, and methodologies.
- Exposed to the wider operations of the company and developed soft skills through several graduate scheme modules.

### **Army Reserves - 4th Battalion Parachute Regiment**

**Sep '13 - Present**

- Developed a wide range of transferable soft skills including leadership, management, teamwork, and communication.
- Achieved level 5 certificate in management and leadership from the Chartered Management Institute.

## Skills

---

**Programming:** C++17 · Python · CMake · Git · Code Generation

**Design:** Domain Driven Design · SOLID OOP · OOP Design Patterns · UML · Software Architecture

**Operations:** Docker · Linux · Networking · Jenkins · Atlassian Tools · Debian Packaging · Regex

**Workflow:** Agile · Scrum · TDD

## Education

---

Heriot-Watt University - MEng Computing and Electronics (Distinction)

Sep '12 - Jul '17