Aidan Gallagher

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Experience

Ciena R&D (Vyatta) - IP / Routing Software Engineer   **Nov '21 - Present**
- Developing software (Python & C) for DANOS (Disaggregated 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.

AT&T Labs (Vyatta) - Technical Specialist, Software Engineering   **Apr '21 - Nov'21**
- Developed software (Python & C) for DANOS (Disaggregated Network Operating System).
- Created containerized build environment for developers & continuous integration systems to run in.
- Conducted technical 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 - Jan '19**
- 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

Software Development: Modern C++, Python, SOLID OOP, Software architecture, Networking, Code generation, UML
Workflow: Agile, Scrum, SAFe, TDD/BDD
Tools: CMake, Git, Docker, Linux, Jenkins, Atlassian tools, Debian packaging, Doxygen, Regex

Education

Heriot-Watt University - MEng Computing and Electronics (Distinction)   **Sep '12 - Jul '17**