

EWEN REYNOLDS

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SUMMARY

My name is Ewen Reynolds and I have worked in Software Engineering for 20+ years in many areas and using many different technologies. My most recent role is as a front-end developer on an application for managing Passive Optical Network devices. I am extremely adaptable and have been relied upon to pick up new technologies, frameworks and languages on an as-needed basis. I am used to working in a team as well as on solo projects. Thank you for taking the time to look at my skills, career history, achievements and qualifications.

KEY SKILLS

- Javascript / Typescript
- HTML
- C and C++
- Angular
- Docker
- Kubernetes
- Node
- Git
- Plus other languages on an as needed basis: e.g. Python and BASH scripting, SQL etc.
- Front-End web application development.
- Experience with embedded software and debugging software for real-time systems.
- Experience with installation, maintenance and development for networked machines and large multi-application systems.
- Experience with software tools e.g. debuggers, version control tools etc.

CAREER HISTORY

COMMSCOPE (formerly Pace MicroTechnology / Latens Ltd / ARRIS)
Senior Software Engineer

2001-present

Responsibilities:

- Developing hardware and automated hardware test systems in C and assembly language for broadband wireless products.
- All aspects of software design and development from board bring-up and rapid early development, through to product launch and post launch support for maintenance and new features on Set-Top-Box products. Primarily using C and assembly language with CVS and Subversion software version control tools.
- Linux based server applications for Digital Rights Management (DRM) using C, C++, Java, Redis, SQL, Python and incorporating automated software test flow with tools including Jenkins, Robot Framework.
- Design, development and documentation of web applications (Front-End) for managing Hybrid Fibre and Passive Optical Network devices.

- Working closely with back-end API developers and interfacing with these services (Swagger, REST) to achieve desired functionality in the web application.
- Software component design and documentation using UML design and Confluence.
- Software development issue tracking using JIRA.
- Software coding including HTML, CSS, Javascript/Typescript using Node, Angular, Material-Design and other bespoke, in-house frameworks.
- Use of code integrity and analysis tools within VS Code including ES-Lint and Sonarqube.
- Source code version management using Git.
- Peer-review of code using Atlassian tools for Pull Request submission and review.
- Continuous project delivery cycles using a collaborative Agile/Scrum approach with 2-3 week Sprint cycles.
- Mentoring and providing technical assistance to other engineers in the local and wider teams.
- Development of data driven tests using mocked services and automated test and Continuous Integration (CI) frameworks with Jenkins.
- Maintenance of local development server installations with Docker and Kubernetes.

KEY ACHIEVEMENTS

- First deployment for company into the US market with digital cable set-top box product.
- Rebranding of Telewest set-top box software to Virgin Media.
- Development of first commercial product multiplexing digital satellite services for multi-dwelling applications.
- Primary engineer involved in defining working frameworks and guidelines at the outset of our current web-application product.

SUMMARY OF QUALIFICATIONS

- O and A' Level qualifications in English, sciences and mathematics.
- 97-00 Perth College [Perthshire] *HND Mechatronics*.
- 99-01 University of Edinburgh [Edinburgh] *BEng (Hons) 1st Class in Electronics and Electrical Engineering*.
- Continuously adding to my skill-set via Udemy and online sources.

ACTIVITIES AND INTERESTS

I am a proud father to my amazing daughter Adelaide and a devoted husband to my fantastic wife Kay. Together with our border collie Bonnie, we make one very special family. During my spare time I enjoy recreational golf, reading, eating out and quiet movie nights at home.