

Daniel Pontin

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Software Engineer at Siemens Digital Industry Software, with experience in front-end and back-end development using Rust, C++, Python and JavaScript. Always eager to learn new skills and apply best practices to all work. I have extensive experience working on legacy systems which ingrained the importance of writing maintainable code.

Technical Skills

Programming Languages:

Rust / C++ / Python / Java / JavaScript / SQL

Tools:

IntelliJ IDEA / Visual Studio / Visual Studio Code / Git / SVN / Jenkins / Polarion / Windows / Linux

Other:

Nginx / SQLite / MySQL / Docker / HTML5 / Node.js / REST/ AWS / Flask / Vue.js

Technical Experience

Software Engineer

Siemens Digital Industries Software, Cambridge / Full Time / September 2018 – Present

- Researched and developed additional API features that allowed bulk processing of Facets of an assembly, as requested by customers for Siemens NX.
- Worked as part of a team to develop industry-leading machine-learning CAD features for Siemens NX
- Maintained and improved legacy systems in use, which taught me the importance of building maintainable systems by applying SOLID principles in my refactoring.
- Championed use of modern source control workflows, which resulted in adopting a faster iterative collaborative environment.
- Worked on efforts to migrate Siemens NX to the cloud, using Docker and other technologies.
- Organised events for social club within company

Computer Repair Technician

Alcom Computing, Chesham / Full Time / September 2013 – August 2015

- I used my communication and problem-solving skills to understand and resolve customer hardware and software issues, in person and remotely.
- Took initiative to automate various parts of the job to increase efficiency.
- Worked as a team with co-workers to solve larger problems beyond the abilities of a single person.

Education

Bachelor of Science (Honours), Computer Science, University of Sussex / September 2015 - June 2018

During my degree at the University of Sussex I learnt many technical skills including Networking, Databases and Human-Computer Interaction. I also took part in group projects where we successfully put in practice methodologies such as Agile Development, effective use of Source Control software and team communication software. This gave me a firm foundation for my career in software development.

References

On Request