Andre Pesce
Software Engineer

Extremely passionate about learning new technologies and software development skills to quickly become a very capable, well rounded software engineer. Great attention to detail and very eager to continue gaining experience.

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WORK HISTORY

Lockheed Martin Australia
08/2021 - Present

Software Engineer

– Deployment and maintenance of the Operational Demonstration & Working Prototype versions of the complex JORN Phase 8 system across the network to allow continued development, data collection and operator testing for stakeholders.
– Python application & algorithm development, Angular front-end development, software/hardware deployment, metrics observability, data analysis, bash scripting, automation and complex system troubleshooting of the JORN Phase 6/8 system.
– Worked on JP9711 in a DevOps role, supporting other developers environments/VM's, writing Ansible scripts, GitLab Pipelines, and Kubernetes to automate deployments of builds and tool installations.
– Pivotal role in key deliverables on project JORN HPA-PH2. Independently designed and developed dozens of python scripts to operate various HF hardware in a lab environment, generating CSV data and graph plots from measurements and recordings based on specific requirements for characterisation/post-analysis/requirement verification and validation.
– Worked in an agile team environment on the FSP (Future Submarine Program) CSI (Combat Systems Integration) designing and developing translation services in Golang & front end applications in React while using test driven development to assist in writing clean, efficient, bug proof and standardised code.
– Applied robust and flexible software engineering skills to adapt to new roles, environments and projects, learning new skills and technologies efficiently, and able to quickly become a valuable contributor to any team.

ACH Highercombe
12/2015 - 08/2019

Caterer

– Prepared and/or cooked breakfast and lunch or dinner to 30 residents in a highly pressurised working environment with a diverse range of customers/residents and dietary requirements.
– Delivered a professional customer service experience to residents and visitors, worked autonomously and in co-operation.

SKILLS

Tools / Environments
VSCode, Linux, RedHat, CentOS, GitLab/GitHub, GitLab Pipelines, Ansible, Ansible Tower, Grafana, Prometheus, Nginx, Kubernetes, Docker, Jira, Confluence, MS Visual Studio, VMware, VSphere, GoTest, Global Mapper Pro, Eclipse, JUnit Testing, JavaFX, IntelliJ IDEA, Mockito, Qt Creator, Qt Test, XCode, Trello, Postman, Draw.io, Figma, Microsoft Excel, Microsoft 365

Languages
Python, Bash Scripting, JavaScript/TypeScript, HTML, CSS, SQL, Golang, Protobuf, Java, C++, C#, VB.NET, ASP.NET, Swift

Database Management
PostgreSQL, Microsoft SQL Server 2017, Oracle SQL Developer

Frameworks / Libraries
Django, Angular, Cesuim, FastAPI, Matplotlib, React, Bootstrap

Soft Skills
Communication, Time Management, Teamwork, Mentoring and Teaching, Problem Solving, Self-Learning, Adaptability

EDUCATION

Bachelor of Information Technology (Software Development)
University of South Australia
02/2018 - 11/2020

Diploma in Music (Sound Engineering)
Adelaide University
03/2014 - 11/2014

PROJECTS

Engineering Data Management System (EDMS)
08/2020 - 11/2020

EDMS is a web application developed for researchers under Uni SA's Future Industries Institute (FII) conducting research on thin film coatings to store, manage & analyse test data. Designed and developed from scratch with the Django framework and PostgresQL database, the software has functionality to upload various tests and sample metadata, export data, database search with filtering, and more. Delivered detailed SDD and user manual to the client alongside software source code. Graded High Distinction. Demo video can be seen at www.andrepesce.com

References available upon request