

Joseph Sharkey

Founder & CTO

SharkSoft

Joseph Sharkey

DevOps Engineer

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I enlisted in the British Army in April 2017 into the Royal Electrical and Mechanical Engineers. As a Junior non commissioned officer I have developed leadership skills to deliver consistent results in high pressure and changing environments with a team of 8-12 people. I am a skilled mechanic and qualified PADI SCUBA instructor. My experience in the Tech industry has been Entrepreneurship in nature where I have jumped from success to success while scaling a steep learning curve.

Hard Skills

Cloud Computing : Amazon Web Services, Google Cloud, Microsoft Azure

Containerisation & Fleet Management : Docker, Kubernetes

Web Development : HTML, CSS, Javascript

Application Development : NodeJS, React

Database & Big Data : SQL, MATLAB

Python : Django, Pandas

Workflow : CI/CD, Unit Testing

Soft Skills

Project Management : PMP, APM

Team Work : Agile, Scrum

Communication, Strong interpersonal and collaborative skills

Problem Solving, Lateral Thinking

Hard Working, Diligent, Ambitious

Confident, Proactive and Result Driven

Leadership, Mentoring and Team Motivating

Certifications

Cloud Computing :

- AWS Architect Professional
- AWS DevOps Professional
- Microsoft Azure Solutions Architect Expert
- Microsoft Azure DevOps Engineer Expert
- Google Cloud Architect Professional
- Google Cloud Developer Professional
- Google Cloud Devops Engineer Professional

DevOps :

- Docker Certified Associate

- Certified Kubernetes Administrator
- Certified Kubernetes Application Developer

Project Management :

- APM (Association for project management) PMQ
- PMP (Project Management Professional)

Portfolio

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- **SharkSoft** : Management for SCUBA Centers to take bookings, manage fleet forecast events from one central application, used by a fleet of dive shops spanning 3 continents. (Docker, Kubernetes, AWS, REACT, Scrum, CI/CD)
 - **Tank Finders** : Commissioned by a British Army Captain, this app takes birds-eye-view images of an area on the ground and uses CNNs to recognize and count military vehicles, allowing commanders to follow trends and convoy movements without manually searching for and counting vehicles from images. (Python, Pytorch, AWS, Unit Testing, Agile, Docker, Kubernetes)
 - **TradingBot** : A black box style quantitative trading algorithm which uses cluster and regression style neural networks to predict movements in stock market tickers and executes trades through an API. (Pandas, MATLAB, Agile, CI/CD, AWS)
 - **English National Ballet Project** : A simple form used to simplify the overtime reporting for employees of the ENB. A form is hosted which dancers have access to which uses an API to update a database which provides the accounting team with details of overtime pay due. (REACT, AWS, Agile)
 - **WKSP App** : An app built for 36 Engr REME Workshop to increase productivity by displaying workflow, fleet management, forecasting and reference materials in an app for engineers to use on a daily basis. (REACT Native, Tensorflow, AWS, Docker)
 - **Astoria** : One of many web development projects, this was a business website renovation where I used REACT, Stripe, AWS and other technologies to increase the SEO score and international scalability of this website. (REACT, AWS, CSS, Agile, CI/CD)

Having given notice to leave the British Army in April 2024, I am keen to embark on my new career path as a mid level devops engineer. I look forward to the opportunity to take ownership of projects and call on my prior experience and professional curiosity to deliver solutions while simultaneously building the confidence and enthusiasm of my team to succeed at personal and professional goals to the highest standard.