

Hello, I'm

Robert Marsh II

An experienced and accomplished software engineering manager with over 20 years of expertise in programming, AI, data mining, cybersecurity, cryptocurrency, blockchain technology, and leading teams. Proven track record of designing, building and scaling industry-leading software.

Contact

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LinkedIn

chippy.digital

Manchester Area, United Kingdom

Education

Master's Degree

The University of Salford

Business Administration

First-Class Honours · 2019

Bachelor's Degree

The University of Salford

Computer Science with Cyber Security

First-Class Honours · 2016

Work Experience

Software Engineering Manager

Sep '22 - Present

Chippy Digital · Manchester Area,
United Kingdom

- ▶ Lead a team of highly skilled software engineers ensuring successful delivery of secure, stable, and scalable software solutions
- ▶ Oversee the entire software development process, from architecture design to implementation and testing
- ▶ Prioritise security throughout the development lifecycle, implementing robust security measures and secure coding practices
- ▶ Collaborate with team, clients and stakeholders to ensure efficient, scalable, and long-lasting software architecture
- ▶ Work closely with designers to create visually appealing and user-centric interfaces

Software Engineering Manager

Apr '22 - Oct '22

ABL · Aberdeen, Scotland, United
Kingdom

- ▶ Produced market-leading applications including Effio, EPAV, and Asset Voice
- ▶ Managed unified platform enabling clients to produce, manage, optimise, and improve their data
- ▶ Led development team with clear instructions to hit quarterly epics and milestones
- ▶ Ensured continuous integration of clients, employees and applications stably and securely

Top Skills

- Team Building
- Full Stack Development
- IT Strategy
- DevOps & Kubernetes
- Cybersecurity
- Blockchain & Cryptocurrency
- AI & Data Mining

Languages

- English (Native)
- German (Limited Working)

Principal Software Development Engineer

Sep '20 - May '22

Add Energy · Aberdeen, Scotland, United Kingdom

- ▶ Took active role with recruits and junior developers, encouraging forward-thinking culture
- ▶ Advanced documentation and education as team grew
- ▶ Empowered others to become leaders and take active roles beyond the tech stack
- ▶ Handled complex technical problems and delegated challenging work strategically

Senior Software Development Engineer

Nov '19 - Oct '20

Add Energy · Aberdeen, Scotland, United Kingdom

- ▶ Developed container orchestration system (Kubernetes) for automating deployment and scaling
- ▶ Led progression towards SaaS within the organization
- ▶ Made cloud software offerings integral to consultancy services

Senior Cyber Security Analyst

Oct '19 - Nov '21

The University of Salford · Manchester, United Kingdom

- ▶ Offered technical security analysis to innovative SMEs in Manchester area
- ▶ Provided cybersecurity expertise and support through The Cyber Foundry initiative
- ▶ Worked alongside staff from top four universities in the northwest

Projects

CodeParrot (Chippy Digital)

January 2025

An internal tool for managing code reviews and improving code quality. AI-based suggestions are emailed directly to the author for consideration after every commit. Running on an AI server that I built and maintain specifically for this purpose.

EPASeer (Chippy Digital)

July 2023

An end-to-end educational platform that manages an entire apprenticeship assessment journey, from apprentice registration and evidence submission to assessment booking, results tracking, and certification.

Effio (Add Energy, ABL)

October 2020

A leading international asset management web service, designed for large enterprises in the oil and gas sector. Used by Shell for multiple large projects involving complex data analysis and reporting on projects such as shale gas extraction.

Hackathon Manchester Winner (Salford University)

November 2016, 2017

Winner of the Co-Op Challenge Hack Manchester 2016 and 2017

Senior Development Analyst May '17 - Oct '17

Social Care Network Solutions Ltd ·
Manchester, United Kingdom

- ▶ Led project development of CHARMS Journal, the first Private Social Network for young people in care
- ▶ Designed UI/UX and created suite of unit tests
- ▶ Worked with UK's largest caseload management software with 200+ businesses and 20,000+ active users

Computer Science Teaching Assistant/Mentor Sep '17 - Mar '19

The University of Salford · Manchester,
United Kingdom

- ▶ Employed as Teaching Assistant and Mentor during second year Computer Science and Cyber Security studies
- ▶ Helped first year students with study, assessments, assignments and revision
- ▶ Taught modules including Programming (Java), Human Computer Interaction (C#), Web Development (CSS/HTML), and Databases (MySQL)