

Tom Crawley

Experienced Software Engineer and Fractional CTO

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An experienced software architect and engineer with over 25 years experience. As founder of Marimosa and Neon Mountain, I have spent the last 15 years helping businesses from across many disparate sectors achieve their efficiency and cost goals by implementing bespoke software solutions, system integrations and digital transformation programmes. I love to see projects from inception right through to delivery. I am very business and process focused, and prefer to ask “what problem are we trying to solve?” rather than “what do you want?”. I am an advocate for pragmatic solutions that meet business needs whilst still promoting modern serverless and event-based system design.

I speak at technology and business events about my journey and how the thoughtful application of technology can improve business process.

Key Technical Skills

React / React Native	7+ years
Angular	10 years (15 with AngularJS)
NodeJS	15+ years
NextJS	2 years
NestJS	8 years
MongoDB	15 years
AWS Elastic Beanstalk	7 years
AWS Lambda	7 years
AWS EventBridge/SNS/SQS	7 years
AWS CI/CD	7 years
Azure Functions	3 years
PostgreSQL	2 years
TDD/BDD	7 years

Recent Work Experience

2023+ Neon Mountain

Director / Software Engineer

Originally part-time whilst working at Freightlink, now full-time contracting and delivering B2B projects and system audits.

Projects include:

<Redacted>	Fintech governance system	NestJS, Angular, Postgres
WeBuyBooks	Legacy System audit	Full audit of legacy system with report of recommendations

Appvocado	Kotlin -> React Native app conversion	Kotlin, React Native
Certitude Consultants	Recyclability SaaS platform	NestJS, Angular, MongoDB, AWS
Unicorn Road	Sports social network	React, Firebase, NodeJS
Unicorn Road	Sports customer engagement app	NextJS, NodeJS, MongoDB, Vercel, Render
Unicon Road	Startup app audit	Full codebase audit resulting in project to rebuild.

2023 - 2025 Freightlink Solutions

Head of Information Systems

- Oversaw transition and integration of Marimosa team to Freightlink after acquisition.
- Delivered major cloud migration projects.
- Took ownership of delivering 10+ website upgrades and migrations to custom AWS Elastic Beanstalk hosting environment.
- Delivered a technical architecture design and roadmap for replacement of existing operational systems.
- Implemented SCRUM-based methodology.

2011 - 2023 Marimosa

Director / Software Engineer

Started company to do contract work but built into a 7-person B2B agency that was ultimately sold to Freightlink Solutions in 2023.

Projects include:

CustomsLink	Customs platform (6 year project)	NodeJS, Angular, MongoDB, AWS Elastic Beanstalk, EventBridge, Lambda, SNS, SQS, Step Functions, CloudFront.
Freightlink	Freight ferry booking management platform (10 year project)	AngularJS, CoffeeScript, NodeJS, MongoDB, AWS Elastic Beanstalk, EventBridge, Lambda, SNS, SQS, Step Functions, CloudFront.
EG Group	EV charging portal	React, NodeJS
EG Group	Retail Mobile app	React Native, Azure Functions
OCU Group	iBeacon tracking mobile and watch app	Swift
Dixons Academies Trust	Academy admissions portal	NodeJS, Angular, MongoDB, AWS Elastic Beanstalk, CloudFront.
Kimi Quiz	Education testing SaaS platform	Angular, NodeJS, MongoDB
Sheet Piling UK	Construction stock management platform	Angular, NodeJS, MongoDB, Elastic Beanstalk, CloudFront.
NDA	Brand-name Ferry Company Mobile App	Ionic, NodeJS, MongoDB

NO Cakes R Better	Food industry mobile app	Xamarin, NodeJS, MongoDB
NDA (Big 4 Consultancy Firm)	Supermarket mobile apps	Angular, Cordova
NICE	NICE web and mobile work	Javascript, Cordova

Other Work Experience

2007 - 2013 Enterprise plc: Technical Lead

2000 - 2007 RedSkyIT: Analyst Programmer

1998 - 2000 Capricorn Software: Analyst Programmer

Education

BTEC National Diploma Computer Studies

9 GCSEs B-D.

References

Available upon request.