


Carl Bowen

Senior Software Developer

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A dynamic engineer with an 8-year proven track record, I have successfully navigated several positions in development and management, consistently driving innovation and cultivating a culture of excellence.

My skill set extends beyond technical expertise, to include effective leadership, with a history of managing and mentoring high-performing teams.

In addition to my technical proficiencies, I bring experience in atomic UI design, meticulous documentation practices, and a commitment to manual and automated testing. I have a history of building highly responsive and customer-centric products, engaging stakeholders, and empowering end-users to shape the products they use.

What sets me apart is not just my technical experience, but my genial and interactive approach. I stay relevant through personal projects, continuous learning, and active engagement across various social media platforms. My adaptability to new changes in the development landscape reflects my commitment to staying at the forefront of technological advancements.

Skills

React	Next	Redux	Apollo	<div><div></div><div></div><div></div><div></div><div></div></div>	Node	REST APIs	GraphQL	AWS	<div><div></div><div></div><div></div><div></div><div></div></div>
GenAI	Vibe Coding	Prompting		<div><div></div><div></div><div></div><div></div><div></div></div>	Cursor	Windsurf	Copilot	GPT	<div><div></div><div></div><div></div><div></div><div></div></div>
Atomic Design	SEO	A11y	I18n	<div><div></div><div></div><div></div><div></div><div></div></div>	Consulting	Managing	Hiring		<div><div></div><div></div><div></div><div></div><div></div></div>
Web3	DeFi	NFTs	Blockchain	<div><div></div><div></div><div></div><div></div><div></div></div>	Design Systems	Figma	Zeplin		<div><div></div><div></div><div></div><div></div><div></div></div>

Professional Experience

- 08/2025 – Present

AI Transformation Consultant, Admiral Group Plc
 - Planned & evaluated AI-driven requirements analysis, design, code generation, review, and unit testing
 - Designed CI/CD build strategies with AI automation, integration testing, debugging, and non-functional testing
 - Developed AI-enabled user acceptance testing, pre-prod validation, release orchestration, and monitoring
 - Collaborated with UX designers, product owners, engineers, QA teams, and SREs to embed AI across the SDLC
 - Tech stack:** React, Next, TypeScript, Node, AWS, GenAI, Design Systems
- 03/2025 – 08/2025

AI Transformation Consultant, Digiblez
 - Assessed AI readiness across systems, data, and workflows
 - Identified high-impact AI/GenAI use cases for business and products
 - Designed AI adoption strategies and roadmaps
 - Recommended tools, frameworks, and vendors for AI integration
 - Led change management and culture shift for AI adoption
 - Ensured AI governance, compliance, and ethical practices
 - Developed data strategy for quality, pipelines, and security
 - Directed AI pilots, proofs-of-concept, and scaling initiatives
 - Delivered AI upskilling programs and tracked ROI of initiatives
 - Tech stack:** React, Next, TypeScript, Node, AWS, GenAI, Design Systems

12/2024 – 03/2025 Contract	Senior Full-Stack Developer, Experian <ul style="list-style-type: none"> • Built Experian's credit lock feature to prevent fraudulent credit applications • Collaborated with security, legal, and product teams to ensure compliance and integrity • Developed secure APIs and integrated identity verification workflows • Delivered responsive UIs with real-time lock/unlock functionality • Ensured scalability, uptime, and performance under high user load • Contributed to testing, threat modeling, and regulatory compliance • <u>Tech stack:</u> React, Next, TypeScript, Node, AWS, GenAI, Design Systems
08/2022 – 11/2024 Contract	Principle Full-Stack Developer, Digiblez <ul style="list-style-type: none"> • Led greenfield development of a next-gen freelancing platform (MERN stack) • Managed and mentored an 8-person dev team, ensuring code quality and team performance • Reported progress to CTO and contributed to product and engineering strategy • Drove system design, performance optimisation, and scalable architecture decisions • Oversaw architecture, coding, debugging, and release coordination • <u>Tech stack:</u> React, Next, TypeScript, Node, AWS, GenAI, Design Systems
05/2022 – 08/2022 Contract	Senior Full-Stack Developer, Raise <ul style="list-style-type: none"> • Built a modern atomic design system in collaboration with the UI Director • Developed and launched a robust agency management platform • Mentored a large outsourced team of junior developers • <u>Tech stack:</u> React, Next, TypeScript, GraphQL, AWS, Design Systems, Cypress
03/2022 – 05/2022 Permanent	Lead Software Developer, Precision Proco <ul style="list-style-type: none"> • Led a dev team to deliver software solutions aligned with business goals • Spearheaded high-impact projects focused on performance and scalability • Mentored junior developers to support growth and collaboration • Worked closely with product and UX/UI teams to build user-focused features • <u>Tech stack:</u> React, Next, TypeScript, Node, Jest, Cypress
02/2020 – 03/2022 Contract	Lead Full-Stack Developer, Vibrant Media <ul style="list-style-type: none"> • Led a dev team (1 senior, 1 mid, 3 juniors) • Created advanced keyword-level tech for precise contextual targeting • Shaped product UI design direction • Ensured code quality and reliability with 100% automated test coverage • Conducted comprehensive QA: functional, smoke, stress, e2e, and automation testing • <u>Tech stack:</u> React, Next, TypeScript, Node, AWS, Jest, Cypress
03/2019 – 02/2020 Contract	Senior Full-Stack / UI Designer, Superbet <ul style="list-style-type: none"> • Developed a greenfield sports-betting platform • Mentored two junior developers • Focused on ES6+/React with progressive enhancement via PWA • Led a 5-dev team enforcing strict code reviews • Achieved 100% automated test coverage • Collaborated with user testing and UX/UI teams to refine design • <u>Tech stack:</u> React, Next, TypeScript, Node, Jest, Cypress, PWA
07/2018 – 03/2019 Permanent	HTML5 Games Developer / Head of QA, Endemol Shine Group <ul style="list-style-type: none"> • Developed bespoke slot games (Dumb and Dumber, Oliver Twist, Deal or No Deal) • Engineered core game mechanics and graphics • Transitioned to hybrid role as QA Lead after six months

- Conducted comprehensive QA: functional, smoke, stress, e2e, and automation testing
- **Tech stack:** Phaser.js, Pixi.js, TypeScript, ES6+, TestRail, Jira

09/2016 – 07/2017
Internship

Software Developer, Stride Gaming Group

- Created bespoke slot games for top gambling sites, including Kitty Bingo
- Collaborated with UX/UI team on visual design and high-fidelity prototypes
- **Tech stack:** JavaScript, Java, Maven

Education

05/2020
Nanodegrees

x3 Nanodegree Programs, Udacity

- Product Manager
- Full-Stack Developer
- React Developer

Each Nanodegree generally take more than a month to complete. All three were completed in one month.

09/2015 – 06/2018
Bachelor's Degree

BSc (Hons) Computer Science with Industrial Experience,
University of Westminster

Internship took place between year 2 and 3.