

Callam Woolgar

SENIOR SOFTWARE ENGINEER | .NET, REACT & AZURE

callamw1997@gmail.com | +61 488 021 773 | [linkedin.com/in/callam.woolgar](https://www.linkedin.com/in/callam.woolgar)

Perth, WA | Available 14 September 2026 | Perth hybrid/onsite or Australia-wide remote

Visa subclass 417 work rights valid until 19 May 2027 | No sponsorship required for an initial six-month engagement

PROFILE

Senior software engineer with 10+ years of commercial experience delivering full-stack web platforms from architecture and data design through Azure deployment and production support. Deep C#/.NET experience combined with React, Next.js, Vue and SQL, including systems handling 100,000 bookings per month and 60,000-product commerce catalogues. A hands-on technical lead trusted to shape solutions, guide developers, communicate directly with clients and resolve critical production issues.

SELECTED IMPACT

- Architected and built a shared .NET 10 booking API serving seven brands and approximately 100,000 bookings per month.
- Led the phased migration from a legacy Java API to Azure-hosted .NET, expanding team maintainability and accelerating development and deployment.
- Designed a React 18 and Next.js 14 storefront for approximately 60,000 products, raising Lighthouse performance from the low 40s to above 80 and reducing typical page loads to under one second.
- Established approximately 80% unit-test coverage across critical API workflows and enforced build-and-test validation on pull requests.
- Led delivery across teams of up to four developers while owning estimation, architecture, code quality, stakeholder communication and production incidents.

TECHNICAL EXPERTISE

Languages C#, JavaScript, TypeScript, SQL, HTML, CSS/SCSS

Backend .NET 10, .NET Core, ASP.NET MVC, REST APIs, Azure WebJobs, Dapper, Entity Framework, stored procedures

Frontend React, Next.js, Vue, Nuxt.js, Ember.js, Redux, Bootstrap 5

Cloud & delivery Azure App Service, Azure SQL, Azure DevOps, YAML pipelines, Docker, Application Insights, Sentry

Quality & security NUnit, Moq, NCrunch, Jest, JWT, FluentValidation, role-based permissions, CORS, health checks

Data & integration SQL performance tuning, indexing, transactions, Contentful, Elasticsearch, third-party APIs, CRM integrations

Leadership Architecture, technical estimation, code reviews, mentoring, coding standards, Agile delivery, client presentations

PROFESSIONAL EXPERIENCE

Senior Software Developer | Three Rocks Ltd (formerly Adactus)

Jan 2025 - Present | Remote

Hands-on technical lead delivering customer-facing platforms across .NET, React/Next.js and Azure. Owned architecture and implementation, guided developers, led Agile delivery and worked directly with clients from requirements through production support.

Multi-brand booking platform API

.NET 10 | Azure App Service | Azure SQL | Azure WebJobs | Azure DevOps | Contentful | Zonal | Application Insights | Sentry

- Selected .NET 10 and secured client approval for a phased migration from a shared legacy Java API, moving bookings first, followed by content and remaining services.
- Architected and built most of a single API serving seven brands and approximately 100,000 bookings per month, using request-level brand context and SQL-managed per-brand configuration.
- Designed the Azure SQL schema and layered the application across controllers, facades, services and repositories, using Dapper, stored procedures and direct SQL for data access.
- Integrated Contentful restaurant content, Zonal menus, availability and booking fulfilment, and downstream CRM services for customer-data synchronisation.
- Implemented client-credential login, JWT and role-based authorisation, FluentValidation, CORS restrictions, password hashing, role-based admin screens, API throttling and SQL DML audit triggers.
- Protected booking integrity with journey keys that prevented duplicate submissions and traced progress, plus database transactions that committed complete multi-record operations or rolled them back.

- Added bounded retries, background recovery queues in related systems, Azure WebJobs, health checks and traceable booking identifiers for reliable operation and incident investigation.
- Introduced MemoryCache for Contentful responses, improving response speed and reducing requests against CMS usage limits; used Application Insights and Sentry for tracing and proactive error notification.
- Maintained approximately 80% unit-test coverage with NUnit, Moq and NCrunch, covering brand selection, caching and critical booking journeys; Azure DevOps PR validation ran the full build and test suite.
- Modified interface-configured release pipelines and created YAML pipelines supporting Test, UAT and Production deployments through Azure App Service, including release-history rollback when required.

E-commerce platform migration - NopCommerce MVC to Next.js

React 18 | Next.js 14 Pages Router | JavaScript | Redux | Axios | Bootstrap 5 | SCSS | Azure App Service | Azure DevOps

- Designed the frontend architecture and migration plan for replacing a legacy NopCommerce MVC storefront with a server-rendered Next.js platform, leading delivery across three to four developers.
- Delivered a modern storefront supporting approximately 60,000 products, integrating backend services through server-side fetch requests and client-side Axios calls.
- Organised the codebase by product, basket and pricing features and built reusable product listings, cards, quantity controls and pricing components.
- Implemented Redux basket state with database-backed persistence, preserving longer customer journeys while enabling responsive client-side interactions.
- Raised Lighthouse performance from the low 40s to above 80 and reduced typical page loads to under one second through image optimisation, reduced JavaScript, API caching and CDN delivery.
- Implemented semantic page structure and product-level SEO, including titles, descriptions, metadata and structured schema markup.
- Managed feature parity through a complete legacy-site audit and reviewed migration backlog, ensuring each capability was retained, replaced or improved; deployed through an Azure DevOps YAML pipeline to Azure App Service.

EARLIER EXPERIENCE

Software Developer | Three Rocks Ltd (formerly Adactus)

2016 - Jan 2025 | Thame, Oxfordshire; later remote

- Designed and built .NET REST APIs consumed by C# MVC applications and JavaScript frontends across multiple client products.
- Built an Elasticsearch full-text search API that improved content discovery and reduced query pressure on the primary SQL database.
- Developed scheduled and background services integrating third-party APIs, including data normalisation, failure handling and recoverable processing.
- Worked extensively with Entity Framework, Dapper, stored procedures and SQL Server; diagnosed slow queries and introduced query and index improvements.
- Established unit testing in previously untested MVC and Ember.js modules and contributed Jest tests on frontend applications.
- Led the redesign of the company website in Figma, presented the proposal to leadership and delivered the production site with Nuxt.js.

TECHNICAL LEADERSHIP & DELIVERY

- Led technical delivery across teams ranging from sole ownership to four developers, breaking client requirements into epics, stories and implementation tasks and assigning work across the team.
- Facilitated sprint planning, refinement, stand-ups, retrospectives and backlog management while estimating features and communicating delivery risks directly to clients.
- Acted as an escalation point for architecture and debugging, mentored a junior developer, conducted code reviews and authored standards covering design patterns, application structure and automated testing.
- Led production incident investigations, participated in out-of-hours support and coordinated urgent hotfixes through production release.

AI-ASSISTED ENGINEERING & DEVELOPER ENABLEMENT

- Created a reusable Claude Code skill that generated structured development tickets and created them directly in Jira through Atlassian MCP.
- Developed project-context Claude Code plugins for two production codebases, encoding architecture, domain knowledge, coding conventions and development workflows.
- Enabled other developers to install the plugins, improving AI-assisted development speed and reducing context-related implementation mistakes.
- Validated AI-assisted changes through unit tests, pull-request builds and human code review.

EDUCATION & CREDENTIALS

BSc Digital and Technology Solutions | University of Roehampton

2017 - 2021 | Degree apprenticeship sponsored by Adactus

Completed alongside full-time commercial work, covering programming, networking, solutions architecture and cybersecurity.

Microsoft Certified Professional | Microsoft Technology Associate