

AVISHEKH BHARATI

Backend Software Engineer | C#, .NET, Azure, AI-Integrated Development | Melbourne, VIC
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PROFESSIONAL SUMMARY

Backend software engineer with 5+ years on enterprise .NET platforms. Comfortable owning the full stack, with recent work across monolith-to-micro-frontend migration, CI/CD quality gates, and multi-region backend services. Hands-on with AI-integrated development daily, including Copilot with MCP integrations (Atlassian, GitHub, MSSQL) and Claude Code for production work and personal projects.

TECHNICAL SKILLS

Backend: .NET, C#, ASP.NET Web API, Entity Framework, LINQ, Express.js (Node)

Architecture: REST APIs, Microservices, Class library/NuGet packaging, Microfrontend integration

Data: SQL Server, Azure SQL, T-SQL, query optimisation

Cloud & DevOps: Microsoft Azure, Azure DevOps, Docker, Git, CI/CD pipelines, SonarQube

AI-Integrated Development: Claude Code, GitHub Copilot with MCP integrations (Atlassian, GitHub, MSSQL), Cursor

Frontend (supporting): React, TypeScript, JavaScript, microfrontend architecture

Testing: NUnit, SpecFlow, Selenium, Playwright

Familiar with: CQRS, Python and Flask (academic), functional programming concepts

Collaboration: JIRA, Confluence, Agile/Scrum

PROFESSIONAL EXPERIENCE

Software Developer (Level 3, Mid-Senior) | Dayforce Jun 2021 to Present

- Led the migration of a large monolithic codebase into independent class libraries to be packaged as internal NuGet packages, enabling teams to version and release components in isolation.
- Designed and built backend services for HR localisation across the APJ region, supporting payroll and compliance rules for multiple country-specific requirements within the platform.
- Implemented XML-based import/export pipelines that automated employee data migration during customer acquisitions, replacing a manual, multi-week onboarding process with a repeatable, self-serve workflow.
- Diagnosed and tuned slow SQL Server queries and Entity Framework usage, contributing to backend response time improvements across high-traffic endpoints.
- Owned integration of SonarQube into Azure DevOps pipelines as a merge-blocking quality gate, catching code smells, security issues, and coverage regressions pre-merge.
- Drove test framework improvements that lifted code coverage to 80%+, strengthening regression safety and reducing reliance on manual QA cycles.
- Contributed to a microfrontend architecture for the platform UI in React with TypeScript, decoupling deployment of frontend modules and designing the backend API contracts that underpin them.

Full-Stack Developer (Internship) | Jemena Jul 2020 to Oct 2020

- Designed and shipped a fatigue-management web and mobile application for field technicians, built on an Express.js REST API, React.js front end, and Azure SQL Database. System is in active operational use.
- Added WebSocket-based real-time dashboard updates and set up CI/CD from GitHub to Heroku to automate releases.

Software Developer | Tekvortex

Dec 2016 to Nov 2018

Nepal-based software firm building enterprise archiving and e-discovery products.

- Built multithreaded archiving and e-discovery backend services for IM and social-media data using .NET and SOA principles.
- Developed RESTful APIs in ASP.NET Web API and supported the team with technical documentation across QA and engineering.
- Diagnosed memory leaks and tuned SQL queries using ANTS Memory Profiler, lifting performance on production workloads.

EDUCATION

Master of Information Technology , RMIT University	2019 to 2021
Bachelor of Computing , London Metropolitan University	2013 to 2016

RECENT PERSONAL PROJECTS

[Victoria Crime Atlas](#):

Built end-to-end using AI-assisted development: UI designed with Claude Design, implementation generated and iterated with Claude Code. Demonstrates an end-to-end agentic workflow from design to deployable code, including prompt design, context engineering, and verification of generated output.

CONTINUING EDUCATION

Agentic AI, DeepLearning.AI (Andrew Ng). Design patterns for building reliable LLM-based agents: reflection, tool use, planning, and multi-agent collaboration. Includes MCP server integration for connecting agents to enterprise tools.

WORK RIGHTS

Australian Permanent Resident with full working rights.