Arthur Cunha

Full-Stack Software Engineer | C#/.NET, Java, Node.js, TypeScript & React

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Summary

Full-Stack Software Engineer with hands-on experience in C# (.NET 8), Java, Node.js (NestJS), TypeScript, and React, building scalable, high-performance web applications, REST APIs, and microservices in high-availability environments. Proven track record collaborating in global, distributed teams across time zones. Strong background in CI/CD pipelines (Azure DevOps), unit, integration, and automated testing, cloud computing (AWS Lambda, EC2), relational and NoSQL databases, Agile/Scrum, and AI-assisted development using Claude Code and MCP (Model Context Protocol).

Technical Skills

Languages: C#, Java, TypeScript, JavaScript, SQL
Backend: .NET 8, ASP.NET, Node.js, NestJS, REST APIs, Microservices, BFF (Backend for Frontend), Multi-Tenant Architecture
Frontend: React, Next.js, Vite, Tailwind CSS, HTML, CSS
Cloud & DevOps: Azure DevOps, CI/CD, Pipelines, AWS (Lambda, EC2), Docker, Git, GitHub
Databases: MySQL, ORM, Migrations, Relational & NoSQL Databases
Testing & Quality: xUnit, Unit Testing, Integration Testing, Test Automation, Code Review, Static Analysis, Linting
AI & Methodologies: Claude Code, MCP (Model Context Protocol), AI Agents, Subagents, Hooks, Slash Commands, CLAUDE.md, Prompt Engineering, LLMs, AI-Assisted Development, Scrum, Agile, Jira

Professional Experience

DTI Digital Aug. 2026 – Present
Full-Stack Software Engineer (C#/.NET & React) | Consulting, RHI Magnesita Project

- Develop and maintain enterprise systems for RHI Magnesita, a global multinational used by business units across multiple countries, using C# (.NET 8) on the backend and React on the frontend.
- Collaborate daily in a global, multicultural team led by managers across different countries and time zones, driving technical alignment, code reviews, and coordinated cross-region deliveries.
- Configure and maintain CI/CD pipelines in Azure DevOps, tuning build and release stages to automate delivery across environments.
- Write unit, automated, and integration tests with xUnit, improving release reliability and reducing regressions in mission-critical systems.
- Use Claude Code daily in agentic workflows for implementation, refactoring, debugging, and test generation, leveraging project context via CLAUDE.md, custom slash commands, hooks, and subagents.
- Set up MCP (Model Context Protocol) servers integrated with Claude Code, connecting the assistant to the repository and project tooling to supply real code and service context, speeding up implementation, debugging, and documentation.
- Automate pre-pull-request checks (lint, static analysis, build, and tests) using hooks and AI-assisted review, reducing rework during code review.

Utrip Aug. 2024 – Jul. 2026
Software Engineer (Java, Node.js & React)

- Worked on the company's booking engine, building microservices from the BFF layer through the full migration of the quotation and reservation services, using Java and Node.js (NestJS) in a scalable multi-tenant architecture.
- Maintained and optimized the hotel checkout REST API, serving 4,000+ users per minute while ensuring high availability and performance.
- Built the checkout frontend with React and Next.js (cart, room, and rate selection), integrated with quotation microservices and external systems such as PMS; developed dashboards with React, Vite, and Tailwind CSS.
- Designed and versioned the MySQL schema through ORM and migrations, keeping the schema consistent across environments; applied Scrum practices to improve team productivity.

Education

UNIFESO – Serra dos Órgãos University Center Jan. 2022 – Dec. 2025
Bachelor of Science in Computer Science

Academic Activities & Projects

Contributed to open-source projects for the local community and students; conducted undergraduate research with papers presented at internal conferences; served as teaching assistant for Computational Robotics.

Research project "Oral Communication: Applying Design Thinking with Virtual Reality in an Urban Mobility Project", building a VR model (Unity and C#) of a city bike lane.

Built a WhatsApp chatbot for the university (tuition invoices, class schedules, and more), deploying the API on an AWS EC2 instance.