

# FRANZ IAN B. ALUCILJA

SOFTWARE ENGINEER | FULL-STACK .NET | ANGULAR | AZURE

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## PROFESSIONAL SUMMARY

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Senior Full-Stack Software Engineer with 14+ years of experience designing, developing, modernizing, and supporting enterprise applications using C#, .NET, Angular, SQL Server, and Microsoft Azure. Strong in backend and full-stack engineering, with specialized experience in enterprise identity and authentication, secure cloud development, and application modernization. Experienced in evolving shared .NET libraries, implementing modern authentication patterns, preserving backward compatibility, and improving application security and maintainability. Brings additional strengths in software design, CI/CD, DevSecOps, and AI-assisted developer experience, combining hands-on delivery with technical design and cross-team collaboration.

## TECHNICAL SKILLS

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**Languages:** C#, TypeScript, JavaScript, SQL, T-SQL, HTML5, CSS3

**Backend:** .NET, ASP.NET Core, ASP.NET MVC, REST APIs, Minimal APIs, Entity Framework, Entity Framework Core, Middleware, Dependency Injection, NuGet Library Development

**Frontend:** Angular, Angular Material, Single-Page Applications (SPAs), Design Systems, Design Tokens

**Cloud & Identity:** Microsoft Azure, Azure App Service, Azure Functions, Azure Key Vault, Azure Storage, Microsoft Entra ID, Microsoft Identity Web, Managed Identity (System-Assigned and User-Assigned), Federated Identity Credentials, OAuth 2.0, OpenID Connect, On-Behalf-Of (OBO) Flow

**Databases:** Microsoft SQL Server, Oracle Database, T-SQL, SQL Server Database Projects (SSDT)

**DevOps & Security:** Azure DevOps, GitHub Enterprise, GitHub Actions, CI/CD, Ansible, Dependency Management, Security Vulnerability Remediation, Static Application Security Testing (SAST)

**AI-Assisted SDLC & Developer Enablement:** GitHub Copilot, AI-Assisted Software Development, Prompt Engineering, Reusable AI Instructions and Skills, AI-Assisted Development Workflows, Engineering Guardrails, Developer Experience

## PROFESSIONAL EXPERIENCE

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### CHEVRON HOLDINGS INC.

**Full-Stack Software Engineer** | November 2024 – Present | Makati, Philippines

- **Lead technical design and implementation for the Chevron Authentication Library (CAL) modernization**, owning delivery of four PI features across architecture, refactoring, validation, and rollout. Modernize legacy authentication integrations using Microsoft Identity Web while preserving public APIs and backward compatibility for existing consumers.
- **Drive CAL's identity and authentication capabilities forward** by designing and implementing support for System-Assigned and User-Assigned Managed Identities, Federated Identity Credentials, and secretless authentication patterns. Introduce clearer configuration APIs, reusable authentication abstractions, and Azure Functions isolated-worker support to improve extensibility, maintainability, and adoption.
- **Lead front-end development for CRAFT (Chevron Request and Feedback Tool)**, contributing to delivery of its Angular-based application experience. Support the wider solution through database and CI/CD improvements, production-readiness assessments, security-gap identification, technical documentation, and knowledge-transfer activities.
- **Contribute to enterprise AI-assisted SDLC development and enablement**, helping adapt reusable AI development capabilities for Chevron's engineering environment. Align AI-assisted workflows and reusable instructions with enterprise engineering standards, approved tools and resources, security and compliance expectations, and established development practices.
- **Champion AI-assisted enterprise front-end development through Chevron UI Forge**, helping shape its developer guidance and practical adoption approach. Develop workshop materials, reusable instructions, prompting guidance, design-token examples, and engineering guardrails; co-facilitate an IT Engineering Summit session demonstrating AI-assisted development of enterprise web interfaces.
- **Contribute to modernization across ACME, the IT Engineering Portal (ITEP), and Chevent**, spanning Angular applications, .NET APIs, database development, caching, CI/CD, application rationalization, and production readiness. Assess technical debt and dependencies, document architectural approaches, and translate engineering findings into actionable recommendations.

- **Drive secure and maintainable engineering practices** by remediating security vulnerabilities and dependency findings, including .NET-related CVEs, and identifying application-level risks involving configuration, error handling, credentials, permissions, and operational readiness.
- **Collaborate across engineering teams, architects, and stakeholders to translate technical assessments into implementation decisions**, balancing architecture, backward compatibility, security, technical debt, delivery commitments, and production stability.

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## REDMAP / MAMMOTH

**Senior Software Engineer** | March 2024 – September 2024

- Developed, maintained, and refactored enterprise applications and microservices using .NET, ASP.NET MVC, SQL Server, JavaScript, jQuery, and Kendo UI.
- Investigated technical issues, implemented application improvements, performed code reviews, and collaborated with product and QA teams throughout the Agile lifecycle.

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## AVALOQ PHILIPPINES

**Software Engineer** | August 2021 – March 2024

- Developed and maintained Portfolio and Performance Management and Rebalancer capabilities for European clients using the Avaloq Core Platform and Oracle Database.
- Designed and delivered product features in collaboration with Product Owners, Business Analysts, software architects, and engineering teams.
- Participated in client workshops, requirements analysis, code maintenance, refactoring, and Agile product delivery.

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## HCL TECHNOLOGIES

**Senior Specialist** | July 2018 – July 2021

- Continued development, enhancement, and support of the P&G PC Trade Up platform and associated applications using C#, ASP.NET MVC, HTML5, and SQL Server.
- Delivered application enhancements, database development, reporting, production issue resolution, and operational support across regional environments.
- Contributed to cloud migration and deployment automation initiatives, including backend tooling for regional deployment teams.

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## Hewlett Packard Enterprise | DXC TECHNOLOGY

**Web Developer / SQL Developer** | April 2016 – July 2018

- Developed, maintained, and supported the P&G PC Trade Up platform and associated applications using C#, ASP.NET MVC, HTML5, and SQL Server.
- Supported application enhancements, database development, reporting, and production operations across regional environments.
- Contributed to application environment migration and deployment support initiatives.

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## NCORE SYSTEMS

**Web Developer** | June 2012 – March 2016

- Developed, maintained, and supported enterprise Internet Banking applications, including transaction, payment, and corporate banking solutions.
- Delivered application enhancements, troubleshooting, database/server support, and system optimization across development, UAT, and production environments.

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## EDUCATION

Bachelor of Science in Information Technology – Digital Arts Major | STI College Lucena | 2008 – 2012

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## CERTIFICATIONS

Microsoft Certified: Azure Fundamentals (AZ-900) | October 2024

Avaloq Core Platform Certification | November 2021

*I hereby declare that the above particulars of facts and information stated are true, correct and complete to the best of my belief and knowledge.*