

Julio M Cruz

Senior Software Engineer

Cloud · AI · Secure systems · Full stack

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Virginia, US · English and Spanish, native

Languages	C#, TypeScript, SQL, Python, Go, Rust, Solidity
Backend & web	.NET Core, Web API, Entity Framework, Node (Hono), React, Next.js, Angular, React Native, SQL Server, Postgres, Firestore
Cloud & AI	Azure (Azure AD, OKTA, OAuth), AWS (ECS Fargate, ECR, KMS, S3), Docker, CI/CD, LLM gateways, agent runtimes, MCP, A2A

You are looking for an engineer who can see the whole system, listen to what the business actually needs, and build it with steady hands. That is my work of **25 years**: government platforms under a **Top Secret clearance**, enterprise e-commerce, and cloud infrastructure for AI agents that I designed and operate end to end. If your team needs someone fluent across **C# / .NET, Azure, AWS, TypeScript, and modern web** who treats production as a promise, we should talk.

EXPERIENCE

2025 – Present Virginia, US	Principal Engineer, PerkOS · PerkOS LLC, own venture Full platform, built and operated: Next.js 16 , Hono API, ECS Fargate workers, Firestore, three agent runtimes, snapshot and restore hibernation, Stripe and onchain billing. Closed beta in production.
2021 – 2025 Washington, DC	Senior Software Engineer, U.S. Department of State · Alpha Omega Integration, Diaconia · TS clearance C# / .NET architecture, Azure integrations that raised data-processing efficiency 15% , legacy modernization, OKTA and Azure AD identity.
2019 – 2021 Washington, DC	Senior Software Engineer, U.S. Small Business Administration · Alpha Omega Integration · TS clearance Web API services (C#, EF, SQL Server), Azure AD Graph API, OAuth, front-end UI/UX. On the team through the 2020 Paycheck Protection Program surge: fifty times normal volume, one million businesses approved in two weeks.
2014 – 2019	Software Engineer, Lead Developer, Contensive · Leesburg, VA · React, Angular, C#, SQL Server
2008 – 2014	Software / Network Engineer, JACER Corporation · Fairfax, VA · SharePoint, Active Directory, Hyper-V
2001 – 2005	Early career, Lima, Peru · AVATAR (J2EE architect), Ministry of Economy and Finance, INDRA, ONPE

KEY ACCOMPLISHMENTS

Reliability when it matters

- Six years on **Department of State** and **Small Business Administration** systems, where a partial write is someone's payroll.
- Five years as lead developer on **e-commerce and customer-facing platforms**, requirements through post-production, in Agile cycles.
- Runbooks and docs people actually read, so handoffs feel smooth.

Hands-on with what is next

- Designed and operate a platform provisioning **AI agent teams on AWS ECS Fargate**, with snapshot and restore hibernation for idle workloads.
- Live **x402 payment facilitator**, verified **Solidity on mainnet**, multi-arch Docker images, LLM gateways, MCP servers.
- ETHGlobal mentor (2026); 37 hackathon awards since 2022, a steady record of working prototypes under 48-hour deadlines.

25+

years shipping production software

6

years TS-cleared for U.S. federal agencies

15%

data-processing efficiency gain from Azure integrations, Dept. of State

EDUCATION

M.S. Software Eng. Mgmt., Strayer, 2021

B.S. Information Systems, Strayer, 2010

B.S. Electrical Eng., UNI Lima, 2001

CREDENTIALS

Top Secret clearance, 2019 to 2025

Blockchain, MIT Prof. Education