Artem Zagaynov

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Software engineer shipping .NET and Angular features for state agencies; builds tools with LLMs in the loop.

Experience

HEART4Victims — Integration & QA Engineer (VCPMS) · Sacramento, CA · Nov 2024 – Present

HEART4Victims builds VCPMS, a multi-tenant case management platform state agencies use to process crime victim compensation claims.

- Built and shipped the Navigator Services Tracker for Alaska State Troopers' victim navigators end to end, from design calls to production *(Angular 18, .NET 8, ABP, EF Core, Azure SQL)*
- Drove 130+ VCPMS bugs to resolution, including root-cause fixes for claim saves silently deleting data and letter totals double-counting voided payments
- Run production support and UAT with Oklahoma state staff three mornings a week; brought 26 letter templates in line with the agency's originals
- Developed and maintained Playwright integration and end-to-end suites across multi-tenant Angular apps and .NET Core services: OAuth/JWT auth, document management, payments
- Utilized Azure DevOps Pipelines for CI/CD automated testing and release management

Poseidon Aerospace — Full-Stack Intern · San Francisco, CA (hybrid) · Oct 2023 – Nov 2024

Startup developing unmanned seaplane drones for long-range maritime cargo and defense missions.

- Built RESTful APIs to integrate flight telemetry systems with centralized databases *(Node.js, Express, SQL)*
- Developed Python scripts for telemetry monitoring and automation in Linux-based environments *(Grafana, Azure Monitor)*
- Contributed to containerized deployments (Docker) and CI/CD workflows for UAV flight dashboards and APIs

HEART4Victims — Full-Stack Intern (VCPMS) · Sacramento, CA · Jun 2022 – Sep 2023

- Contributed to building an online claim application form that guided users step by step and validated entered data. *Result:* fewer incomplete applications. *(ASP.NET Core, Angular, SQL)*
- Helped develop APIs to send approved payments to the state's finance software, removing double entry. *(ASP.NET Core, SQL)*
- Assisted with adding a secure messaging feature for claimants and staff. *(SignalR)*

Projects

Job Dashboard — *Python, Claude API, SQLite, MCP, SwiftUI*

- Pipeline that reads labeled Gmail, classifies each message with Claude into a validated schema, and stores application history as events; MCP server and macOS widget on top, running 24/7 on a home server

Farmland — *Go*

- Online multiplayer board game with an immutable rules engine and a bot that plays by simulating real moves, tuned over 150 games

Skills

Languages: C#, TypeScript/JavaScript, Python, SQL, Go, Swift
Backend & APIs: .NET 8 / .NET Core, ASP.NET Core, ABP, EF Core, REST APIs, SignalR, OAuth2/OpenID Connect, JWT
Frontend: Angular 18, React, SwiftUI
Cloud & DevOps: Azure (App Service, Azure SQL, Key Vault), Azure DevOps Pipelines, Docker, CI/CD, Linux
Testing: Playwright, integration and E2E automation, regression testing, pytest
AI & Tools: Claude API, Model Context Protocol (MCP), Git/GitHub, JIRA, Grafana

Education

University of California, Santa Cruz — B.S. Computer Science, *GPA: 3.5,* Sep 2021 – June 2025