

Alihan Baysal

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EDUCATION

- **Oregon State University**

Bachelor of Science in Computer Science; GPA: 3.98

Corvallis, OR

Sept. 2019 – Mar. 2024

EXPERIENCE

- **Blue Cross of Idaho (via In Time Tec)**

Full Stack Engineer

Los Angeles, CA

Oct. 2024 - Present

- **HIPAA-Compliant Healthcare APIs:** Architected RESTful APIs using .NET Core and Entity Framework Core with OAuth2.0 authentication for HIPAA-compliant patient data systems, designed complex database schemas optimizing multi-table queries for healthcare workflows on AWS (Lambda, RDS, S3).
- **FHIR Healthcare Interoperability:** Engineered HL7 FHIR-compliant data transformation services enabling seamless healthcare data exchange across external systems, designed robust API contracts with comprehensive data validation for critical patient information processing.

- **OSU Center for Applied Systems and Software**

Student Software Developer

Corvallis, OR

Feb. 2022 - July 2024

- **Microservices Architecture Migration:** Led enterprise-scale migration from monolithic system to microservices architecture using .NET Core, designed event-driven communication patterns with ActiveMQ message broker, implemented API gateway for service orchestration achieving independent service deployment and horizontal scalability.
- **Full-Stack Development:** Built SPAs using Vue.js 3 Composition API with Vuex state management and TypeScript for type safety, developed RESTful APIs with .NET Core and Entity Framework enabling asynchronous inter-service communication patterns.

PROJECTS

- **Twitter Clone — github.com/alihanbays/twitter-clone:** Full-stack social media platform with C#/.NET 8/ASP.NET Core featuring OAuth authentication, many-to-many relationship modeling for follow system, and RESTful API architecture. Implemented complex SQL queries with Entity Framework Core and SQLite for dynamic timeline rendering.
- **Daily LeetCode Scraper — github.com/alihanbays/Daily-LeetCode-Scraper:** Automated C# .NET scraper integrating LeetCode API with Microsoft Teams webhooks, deployed on Raspberry Pi with cron scheduling. Built to facilitate team-wide daily coding practice and collaboration.

TECHNICAL SKILLS

- **Languages:** C#, Python, TypeScript, JavaScript, SQL, C++

Cloud: AWS (Lambda, RDS, S3)

- **Backend:** .NET Core 8, ASP.NET Core, Entity Framework Core, RESTful APIs, OAuth2.0, FHIR/HL7, ActiveMQ

- **Frontend & Data:** Vue.js 3, TypeScript, Razor Pages, SQL Server, PostgreSQL

- **Certifications:** AWS Certified AI Practitioner, AWS Certified Cloud Practitioner