

Baturalp Unlu

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PROFESSIONAL SUMMARY

Olympian and Software Engineer specializing in authentication, SSO, and identity-access platforms for multi-tenant SaaS. Experienced in building secure, high-scale infrastructure supporting 100K+ global users across NCR's enterprise ecosystem.

SKILLS

Programming: C#, .NET, JavaScript/TypeScript, React, Python, SQL (PostgreSQL), HTML/CSS, PyTorch, NumPy

Tools: AWS, Docker, Kubernetes, GCP, Redis, Okta, LaunchDarkly, Databricks, Cypress, SonarQube, Git, JIRA

Language: Turkish (Native), English (Fluent)

EXPERIENCE

NCR Voyix, Atlanta, GA

January 2025 - Present

Software Engineer

- Built shared platform components and services for NCR's multi-tenant SaaS ecosystem, standardizing authentication, organization context, and navigation across 30+ applications used by 20+ teams.
- Engineered authentication and access control services in C#, .NET, and Okta, supporting OAuth flows and secure API traffic for 100K+ users and 19M monthly requests across five global regions.
- Implemented platform-wide MFA using Okta step-up authentication and LaunchDarkly feature flags, enabling email, SMS, and authenticator-based verification across enterprise applications.
- Reduced token introspection latency by 75% (200ms to 50ms) by designing a distributed Redis caching layer, improving performance across 50K+ weekly authentication requests.
- Contributed to a partner-facing API gateway and provisioning platform (Cloud Connect), enabling secure third-party integrations and real-time provisioning via distributed system workflows.

NCR Voyix, Atlanta, GA

May 2024 - August 2024

Software Engineer Internship

- Expanded NCR Marketplace to 5,000+ SMBs by launching Google Business Profile in Angular, TypeScript, C#, and .NET with OAuth data flows for location syncing and claim mapping, cutting setup time by 60%.
- Cut partner onboarding time by 40% by delivering microservices-compatible data-migration workflows across the full software development lifecycle, collaborating in Agile sprints and documenting integration requirements end-to-end.

UPS Capital, Atlanta, GA

May 2023 - December 2023

AI Engineer Co-Op

- Reduced internal query resolution time for operations teams by building a full stack AI chatbot on Databricks with Streamlit, OpenAI's MosaicML, and PyTorch, documenting system protocols for technical stakeholders.
- Accelerated 3PL integration including Pirate Ship by leading component-based development of a microservices-ready claims-portal template in Angular, TypeScript, and SCSS that decoupled frontend from backend service logic.

PROJECTS

Sports Performance Intelligence Platform

- Created a full-stack analytics platform (React, Node.js, Python) to capture and visualize athlete performance data, converting movement metrics into actionable insights for individual and team performance optimization.
- Designed predictive data pipelines and models to analyze performance data and deliver real-time insights for Georgia Tech Swimming, with interactive React and Chart.js dashboards visualizing key metrics and trends.

EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY, Atlanta, GA

- Bachelor of Science in Computer Science; concentration: Artificial Intelligence and Media

LEADERSHIP

- Qualified for the **2021 Tokyo Japan Olympic Games**.
- NCAA D1 Georgia Tech Swimming Student-Athlete, All American, and Fred Lanoue Athletic Achievement Award.