

Baturalp Unlu

U.S. Permanent Resident | (678) 907-6249 | unlubatu@proton.me | baturunlu.com | linkedin.com/in/baturalp-unlu

PROFESSIONAL SUMMARY

Olympian and Software Engineer building full-stack platform infrastructure for multi-tenant SaaS: API gateways, access-control services, and shared React/Angular component libraries on GCP and Kubernetes, serving 100K+ users across 5 global regions at NCR Voyix.

SKILLS

Languages & Frameworks: TypeScript, JavaScript, React, Angular, C#, .NET, Node.js, Python, SQL (PostgreSQL), HTML/CSS

Cloud & Infrastructure: GCP, Kubernetes, Helm, Docker, Terraform, GitOps, CI/CD (GitHub Actions), Pub/Sub, Cloud SQL, Firestore, Cloud Armor, Istio

Platform & APIs: REST APIs, OAuth 2.0/OIDC, Okta, Redis, Elasticsearch, SWR, Apigee X, SignalR, Hangfire, LaunchDarkly

Data & Testing: Databricks, Playwright, Cypress, SonarQube, Git, Jira

Languages: English (Fluent), Turkish (Native)

EXPERIENCE

NCR Voyix, Atlanta, GA

January 2025 – Present

Software Engineer

- Standardized authentication, organization switching, and site context across 30+ applications by building shared React/Angular component libraries, published via JFrog for internal and external partner teams; implemented MFA end-to-end in three applications.
- Secured 19M monthly API requests by engineering multi-tenant identity and access-control services (C#, .NET, Okta) with OAuth 2.0/OIDC validation and RBAC/LBAC; cut token introspection latency 75% (200ms to 50ms) with a distributed Redis cache.
- Maintain reliability for billions of monthly API calls across 1000+ partners and 100K merchant locations by owning production support and incident diagnosis for Cloud Connect, NCR's partner API gateway, isolating faults via BigQuery analysis.
- Enable zero-downtime replatforming of NCR's identity system as sole engineer on its cloud migration, owning continuous database replication in GCP, Terraform provisioning, and the cutover plan across dev, staging, and production.
- Manage security vulnerabilities across the platform's FedRAMP applications, scanning and remediating container images and running secrets migrations to prevent compliance findings that carry financial penalties.

NCR Voyix, Atlanta, GA

May 2024 – August 2024

Software Engineer Intern

- Expanded NCR Marketplace to 5,000+ small and medium businesses by launching a Google Business Profile integration in Angular, TypeScript, C#, and .NET with OAuth flows for location syncing, eliminating a 10-step manual setup process.
- Cut partner onboarding time by delivering microservices-compatible data-migration workflows in Agile sprints, carrying them across the full SDLC from requirements documentation through production deployment.

UPS Capital, Atlanta, GA

May 2023 – December 2023

AI Engineer Co-op

- Reduced internal query resolution time for operations teams by building a generative AI chatbot on Databricks with Streamlit, MosaicML, and PyTorch, documenting system protocols for technical stakeholders.
- Accelerated 3PL integrations (including Pirate Ship) by leading component-based development of a claims-portal template in Angular, TypeScript, and SCSS, decoupling frontend from backend service logic.

PROJECTS

Sports Performance Intelligence Platform

- Built an analytics platform in React, Node.js, Python processing a year of wearable sensor data (heart rate, stroke rate, fatigue, effort) across the Georgia Tech Swimming roster, unifying it with training logs and meet results.
- Delivered real-time Chart.js dashboards used by coaches and athletes to track performance trends and readiness, applying firsthand competitive swimming experience to select the metrics that drive training decisions.

EDUCATION

Georgia Institute of Technology, Atlanta, GA

Bachelor of Science in Computer Science; Concentration: Artificial Intelligence & Media

LEADERSHIP

- Qualified for the 2021 Tokyo Olympic Games (Swimming).
- NCAA D1 Georgia Tech Swimming Student-Athlete; All-American; Fred Lanoue Athletic Achievement Award.