Alaeddin Alzeybek

CTO @Volt Lines

Istanbul, Türkiye
+90 (534) 238 64 68
https://www.linkedin.com/in/alaeddin-alzeybek
alaaite@gmail.com

SUMMARY

Engineering & Platform Lead and Mentor driving cloud, mobile, frontend, backend, and data/AI platforms in urban mobility. Scaled engineering across mobile, frontend, platform, and data domains while aligning tech strategy to revenue and customer outcomes.

Highlights: Kubernetes (EKS) migration and IaC adoption; cost optimization (15% AWS savings); drove app performance & reliability improvements, cutting team maintenance/support time from 70% to <40%; AI-led features (route optimization, lead scoring); introduced **KMP** (Kotlin Multiplatform) to the passenger mobile app which increased the shared code and reduced development and debugging time to >60%.

Scope: Led and mentored a cross-functional org of 16 engineers spread on 3 squads that includes product managers and a UI/UX designer; managed multi-million TRY cloud/eng budgets; delivered DRT and design system initiatives used by drivers and passengers.

LANGUAGES

Turkish (Limited Working)

English (Professional Working)

Arabic (Native)

SKILLS

Leadership & Strategy: Team mentoring, Tech strategy, OKRs/KPIs, org design, budgeting, stakeholder alignment, roadmap ownership, Eng. team growth.

Cloud & DevOps: AWS (EKS, EC2, Autoscaling, RDS, S3, Kinesis, CloudWatch), Kubernetes, HPA, Terraform, Terragrunt, IaC, Helm, Bitbucket Pipelines, Jenkins, ArgoCD, autoscaling, networking, Prometheus, Grafana, Loki, Tempo, OpenTelemetry.

Data & AI: Python, feature engineering, scikit, OSRM, MLOps, real-time data (Kafka/Kinesis), Airflow, Scala, Spark, BI/analytics, Matlab, LISP, C++.

Mobile: Swift, UIKit, Kotlin, KMP, Objective-C, Java, J2ObjC, Android, iOS, Firebase, Google Analytics, Figma, design systems, performance optimization, release automation (BitRise).

Backend & Web: Python, Django, PHP (Laravel), REST, ASP.Net, C#, HTML, CSS, Javascript, jQuery, AJAX.

Architecture: Microservices, MVC, MVVM, MVP, Postgres/MySQL, multi-tenant SaaS, Redis, caching, REST APIs, web sockets, message queues.

Product & Delivery: A/B testing, backlog/roadmap, experimentation, discovery, documentation.

Tools: Docker, Docker Swarm, Portainer, EFK, Sentry, New Relic DataDog, Prometheus/Grafana, Notion, Clickup, Figma collaboration.

EXPERIENCE

Volt Lines — Istanbul, Türkiye

(7 years 6 month total)

Chief Technology Officer (CTO)

Jan 2024 – Dec 2025

Cloud / Platform Modernization

- Directed AWS FinOps and scaling initiative (rightsizing, reserved instances, lifecycle policies) cutting cloud costs by **~15%**.
- Led modernization of Kubernetes (EKS) clusters with autoscaling and fault-tolerance enhancements, achieving **99.9%+ uptime** and boosting deployment frequency from monthly to weekly.
- Rebuilt Terraform/Terragrunt Infrastructure-as-Code (IaC) foundation for multi-environment automation and repeatable infra provisioning.

Data / AI Initiatives

- Delivered a **TÜBİTAK-backed ML lead scoring MVP**, improving trips count per vehicle by **10%** in the first year.
- Re-architected our data pipeline taking into account **streaming**, **batch processing**, and **multitenancy**.
- Oversaw integration of Google OR Tools for **route optimization**.

Security / Observability

- Designed and deployed observability stack — **Prometheus, Grafana, Loki, Tempo** — with OpenTelemetry tracing and log retention in S3.
- Established baseline security policies like **IAM least privilege** reducing critical vulnerabilities.

Leadership / Product Strategy

- Defined company-wide engineering KPIs & OKRs improving on-time delivery rate by **+16 story points**.
- Managed multi-million TRY engineering/cloud budget and a **cross-functional org of 16 engineers across 3 squads** (mobile, web, platform, data, product, design).
- **Led ongoing hiring cycles**, managing candidate evaluations, technical assessments, and team alignment to sustain a consistent pipeline of qualified engineers.

Tech Stack: AWS (EKS, EC2, S3, EMR), Data Pipelines Architecture., Terraform, Terragrunt, Prometheus, Grafana, Loki, Tempo, OpenTelemetry, Python, Postgres, Kafka, Airflow, Scala, Spark, Software Architecture

---

Head of Engineering

Apr 2022 – Jan 2024

Cloud / Platform Engineering

- Migrated production workloads from **Docker Swarm → AWS EKS**, improving system reliability while maintaining <1% downtime.
- Introduced Terraform-based IaC, increasing consistency across environments.
- Implemented autoscaling, cutting compute costs by **~55%** during off-peak hours.

Performance & Process

- Defined measurable **Engineering KPIs** to drive continuous improvement and transparency.
- Improved development processes throughout the sprint to **eliminate bottlenecks slowing deployment frequency**, enabling smoother, more predictable releases.
- Improved CI/CD reliability and eliminate incorrect deployments to production.

Leadership / Delivery

- Built and scaled engineering team; directly hired and coached developers across data engineering, platform, backend, and mobile.
- Aligned quarterly technical roadmap with product goals, enhancing delivery predictability and stakeholder visibility.

Tech Stack: Python, Scikit-Learn, AWS EKS, Terraform, Docker Swarm, portainer, Kubernetes, HPA, Helm, Jenkins, Argo CD, Helm, Airflow, Spark, Clickup

---

Head of Mobile and Data Science

Jun 2021 – Apr 2022

Mobile / Product Delivery

- Oversaw end-to-end mobile development lifecycle (Passenger and Driver Apps).
- Directed creation of **Design System** for driver app (Figma → Native Components), improving UX consistency and reducing design debt.

Data / AI

- Rebuilt data pipeline for **real-time ingestion and analysis** enabling semi-live fleet tracking, monitoring and alerting.
- Led integration of AI-driven route optimization and transportation network planning.

People / Collaboration

- Mentored both mobile and data science teams, fostering a culture of experimentation and quality delivery.
- Worked cross-functionally with Product and UX to align releases with customer feedback loops.

Tech Stack: Kotlin, Swift, KMP, Python, Figma, Firebase, Postgres, Scala, Spark, AWS Kinesis, Airflow, Operations Research, Clickup

---

Lead Mobile Application Developer

Jul 2020 – Jun 2021

Mobile / Product Engineering

- Delivered **Demand-Responsive Transport (DRT)** system across passenger, driver, and mission control apps—critical for hybrid-work commuting.
- Pioneered **Kotlin Multiplatform Mobile (KMP)** adoption, cutting shared logic duplication by ~60%.
- Released driver **trip history module**, increasing retention and driver satisfaction metrics.

Collaboration & Mentorship

- Ran team code reviews, improved code quality, and mentored junior engineers.
- Partnered with Data Science and Product to align mobile releases with analytics-driven insights.
- Actively involved in candidate screening and technical interviewing as the hiring manager for the mobile team, ensuring strong technical alignment and team fit.

Tech Stack: Kotlin, Swift, KMP, Ktor, Firebase, Bitrise, Clickup

---

Senior iOS Developer

Jun 2018 – Jul 2020

Mobile Engineering

- Built and maintained Volt Lines' Passenger and Driver iOS apps with Swift and UIKit.
- Delivered performance improvements that reduced app crash rate by **>50%,** and decreased energy consumption by **>50%**. (check this blog post)
- Implemented **websockets** connection flows) to improve applications performance and responsiveness.
- Collaborated with Product and Backend teams to streamline trip booking and route tracking features.

Tech Stack: Swift, UIKit, Moya, Firebase, REST APIs, web sockets

---

Bayan Inc. — Istanbul, Türkiye

(3 years 7 month total)

Senior Software Developer

Aug 2014 - Mar 2018

Mobile Engineering

- Designed and developed cross-platform mobile apps (Objective-C / Java) with shared business logic via **J2ObjC**, increasing reuse and delivery speed.
- Built and maintained backend services with **PHP (Laravel)** and MySQL.
- Administered **AWS EC2** instances, automating backups and deployments.
- Developed internal C# tools for font processing and database utilities.

Tech Stack: Objective-C, Java, PHP (Laravel), MySQL, AWS EC2, AWS autoscaling, C#, J2ObjC

Bayan Inc. — Damascus, Syria

(4 years 1 month total)

Lead Developer

Mar 2012 – Aug 2014

Collaboration & Development

- Managed a 3-developer branch team; delivered multiple iOS apps and maintained company APIs and MySQL databases.
- Administered EC2 infrastructure and improved server uptime by **~25%**.

Tech Stack: Objective-C, PHP (Laravel), MySQL, AWS EC2, AWS autoscaling

---

iOS Apps Developer – Bayan Inc.

Aug 2010 – Mar 2012

Mobile Engineering

- Built iOS apps including **QuranWorks** | القرآن الكَريم, integrating multilingual content and offline caching.
- Developed PHP/MySQL APIs supporting content updates and analytics.

Tech Stack: Objective-C, PHP (Laravel), MySQL, AWS EC2, AWS autoscaling

---

Earlier Roles

Teaching Assistant – Faculty of IT, Damascus University

May 2013 – Jul 2014

- Supervised AI and Robotics projects and lab sessions on Neural Networks and Search Algorithms.

Tech Stack: Matlab, LISP, C++

Web Developer – BrightSoft, Damascus, Syria

Oct 2009 – Jul 2010

- Developed multiple websites and contributed to **Bawabaty.net**, a safe internet portal for Arab kids.

Tech Stack: ASP.Net, C#, HTML, CSS, Javascript, jQuery, AJAX

EDUCATION

Damascus University, Syria - *BCS, IT and Artificial Intelligence*

2005 - 2009

In 2005, I got transferred from Al-Ba'ath University to continue studying BCS, IT and Artificial Intelligence.

Al-Ba'ath University, Homs/Syria - *BCS, IT and Computer Engineering*

2004 - 2005