

Onur Ural

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Software Engineer with 5+ years spanning systems programming, backend services, and data infrastructure, from real-time C++ SDKs on mobile hardware to multi-tenant cloud platforms and internal AI engineering tooling. Founding engineer, used to setting technical direction from incomplete requirements and owning components through to production. Works primarily in C++, Python, TypeScript, and SQL, with a focus on performance, scalability, and automating the manual work that slows engineering teams down.

PROFESSIONAL EXPERIENCE

Bromcom Computer Plc

Software Engineer

London, United Kingdom

01/2025 – Present

- Built an **autonomous migration-triage system** on **Azure AI Foundry**: agents analyse failures during large-scale customer data migrations, automatically open enriched tickets in **Azure DevOps**, then pick up and resolve those tickets against a self-updating **learning base** and harness-driven test suites, with **RAG** retrieval over **vector databases** of prior migrations resolving **over 50% of migration-time bugs** before they ever reach the engineering team.
- Applied **responsible AI practices** across these systems grounded citations, accuracy and quality review of generated output, regression evaluation suites, and staged rollout so results were verified before engineers relied on them in production workflows.
- Architect and scale **backend data services and ETL pipelines** (Python, **SQL stored procedures**) processing large multi-client enterprise datasets, with schema validation and data-quality checks ensuring reliable, reproducible flows.
- **Identify and resolve performance and scalability issues** across multi-tenant systems query plan analysis, indexing strategies, schema normalisation, and data-model redesign using profiling data to explain bottlenecks and prioritise technical-debt reduction.

Stealth AI Startup

Founder / Full-Stack Product Engineer

London, United Kingdom

06/2023 – 01/2025

- **Founded and shipped multiple AI-powered mobile products from zero to one**, owning every layer end-to-end: serverless edge backends (TypeScript, Cloudflare Workers), Swift and React clients, data pipelines, CI/CD, and production monitoring.
- **Scaled the flagship product to 100K+ downloads and \$50K+ monthly revenue**, architecting the backend and automated spend systems that supported that growth without proportional infrastructure cost.
- Integrated **generative-AI features** on top of foundation models, owning **model orchestration, prompt and context engineering, output reliability, and latency/cost optimisation** in production.
- Built **data pipelines** ingesting spend, conversion, and attribution data from **Apple Search Ads, Meta, and TikTok**, unifying campaign, conversion, and audience datasets into **real-time ROAS and cohort/LTV analytics** then used that analysis (Amplitude funnels, A/B tests) to explain product problems and prioritise engineering work.

Tiko (tiko.es)

Software Engineer

Istanbul, Turkey / Madrid, Spain

03/2022 – 11/2022

- Built backend services and **REST APIs** in TypeScript (NestJS) consumed by web and internal tools, defining API contracts and ownership boundaries with frontend engineers.
- Led **data migration and ETL** work and stabilised production systems by diagnosing and fixing critical bugs in a fast-paced, high-growth environment.

PulpoAR (pulpoar.com)

Founding Software Engineer

Izmir, Turkey

01/2021 – 02/2022

- As founding engineer, designed and built **high-performance C++ SDKs** for **real-time image processing**, optimising hot paths for latency and memory to hit real-time frame budgets on constrained mobile hardware.
- Owned the SDK end-to-end cross-platform build and release, API surface, and client integrations supporting the product growth that led to the **company's acquisition**.

SKILLS

Languages: C++, C, Python, TypeScript, JavaScript, SQL, Swift

Systems & Backend: Distributed & Serverless Services, REST API Design, Microservices, Node.js, NestJS, React, Performance Profiling & Optimisation, Caching, Scalability & Technical-Debt Reduction

Infrastructure & Reliability: AWS (S3, Lambda), Azure, GCP (BigQuery), Cloudflare Workers, Docker, CI/CD, GitHub, Automated Testing, Staged Rollout, Monitoring & Observability

Data Engineering: Data Modelling & Schema Design, ETL/ELT Pipelines, Apache Spark, Airflow, DBT, Snowflake, Data Warehousing, Data Quality & Observability

AI Engineering: LLM Application Development, Agent Orchestration, Prompt & Context Engineering, RAG & Vector Retrieval, Evaluation & Quality Review, Responsible AI, Azure AI Foundry, OpenAI / Anthropic APIs

EDUCATION

University of Greenwich <i>Master of Science - Big Data and Business Intelligence</i>	London, United Kingdom 01/2024 - 01/2025
Izmir University of Economics <i>Bachelor of Science - Software Engineering</i>	Izmir, Turkey