# Umur Gokalp

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## PROFESSIONAL SUMMARY

Accomplished full-stack developer with a proven track record of enhancing business efficiency and driving impressive outcomes through innovative solutions. Proficient in JavaScript, React, Python, and various other technologies, I specialize in creating streamlined systems, optimizing processes, and delivering tangible results.

## WORK EXPERIENCE

**Senior Software Engineer, EPAM Systems**                                          **December 2024 - Present**
- Collaborated with the in-house Data Science team to create an internal agentic GenAI platform, streamlining interaction with internal APIs.
- Built a responsive web UI using React and TypeScript, providing an AI chat interface for long-running services.
- Serving as Resource Manager for a team of three senior engineers, overseeing project coordination and delivery.
- Conducted 20+ technical interviews, evaluating candidates' expertise in software development and system design.
- Technologies: React, Typescript, Python, FastAPI, Azure Entra ID, PostgreSQL, Redis, MinIO, Langchain

**Full-stack Developer, Ounass**                                          **Feb 2022 - December 2024**
- Led the creation of a cutting-edge semantic search engine in an e-commerce setting, leveraging FastAPI, Qdrant, and OpenAI's CLIP model, enhancing user experience through fast and intuitive product searches, now powering over 60,000 daily searches.
- Built a real-time recommendation service with over 10 injection points, providing AI-driven recommendations based on past user insights.
- Developed an automated budget optimization system using AI models to dynamically allocate funds to high-performing ad groups, streamlining the workflow and achieving a 30% surge in conversion rates.
- Created a proprietary, on-demand video/image ad generation tool in-house, breaking free from external vendors and resulting in an annual cost reduction of over $200k.
- Orchestrated a cross-functional initiative with the marketing team to develop a robust ad platform, achieving a 50% reduction in ad creation time, resulting in significant savings in employee hours, and markedly enhancing overall efficiency.
- Spearheaded a highly efficient marketing campaign data ingestion system, enabling real-time data processing and analysis; decreased data latency by 50% and enhanced campaign performance resulting in a 20% bump in conversion rates.
- Technologies: FastAPI, Python, React, Typescript, Redux, Node.js, RabbitMQ, Amazon Web Services, PostgreSQL

**Freelance Developer**                                          **Jan 2022 - Present**
- Crafted a client onboarding flow by integrating Django backend and Vue.js frontend technologies for a SaaS app.
- Worked as a machine learning engineer to optimize and finetune language models.

**Software Developer, Getir**                                          **Jan 2021 – Feb 2022**
- Streamlined and deployed a scalable supply chain microservice serving a global user base of 50+ individuals across 9 countries and 140 cities. Enabled efficient shipment planning for dark-stores and warehouses, optimizing product allocation based on constraints.
- Achieved up to 30% reduction in shipping costs and ensured uninterrupted availability through robust error handling.
- Architected an optimization project utilizing past customer order data to optimize product placements on fixed shelves, resulting in a significant 30% improvement in average picking time, improved picker throughput, and minimized missing products.

## OPEN-SOURCE CONTRIBUTION

**Happy Transformer ([github.com/EricFillion/happy-transformer](github.com/EricFillion/happy-transformer))**                                          **Apr 2019**
- Co-created an open-source, easy to use NLP transformers package for training and inference.
- Downloaded over 175k and with over 400 GitHub stars.

**SKILLS**
**Programming Languages**: Python (Expert), JavaScript (Expert), Typescript, SQL, Rust, Go
**Technologies**: FastAPI, React, AWS, Next.js, Vue.js, PostgreSQL, Redis, Docker, Git, Kubernetes, Pytorch, Pandas

**EDUCATION**
**Bachelor of Arts - BS, Honours, Applied Economics, Queen's University**          **Sep 2016 – Dec 2020**