

Adem Berke Nargul

Junior Devops Developer

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EXPERIENCE

Yildiz Technical University Formula Student Racing, Istanbul, Yildiz

Sep 2023 - Dec 2024

Autonomous Developer

- Progressed from a team member to Perception Lead within six months, then took on Autonomous Team Lead role, overseeing the integration of SLAM, RRT, LiDAR, and ROS-based systems.
- Mentored 16 junior engineers, structuring a support team for knowledge transfer and future continuity, while facilitating professional growth and enhancing team collaboration.

Go! Travel App Startup, Istanbul, Uskudar

May 2024 - Aug 2024

Backend Developer

- Developed backend services for a monolithic mobile application using Go, PostgreSQL, and Docker, completing 50% of the system within a 3–4 month period.
- Analyzed system architecture, identified 33 missing components, improving system integrity by 60%. Strengthened authentication, reduced security vulnerabilities by 70% and reduce integration errors.
- Improved overall software reliability through strategic refactoring of APIs; identified critical issues that caused outages and provided solutions that increased application uptime by 10%.

PROJECTS

Transcendence

- Led backend development for a SPA using Django in 42 School's capstone project, collaborating with a 5-person team.
- Engineered a platform using JavaScript and PL/SQL, optimizing database performance through SQL queries and procedures. Streamlined daily transaction handling with bulk processing technique.
- Optimized PostgreSQL database using Django ORM, reducing migration time by 40% and improving query performance by 25% across production environments.
- Deployed a microservices architecture using Docker and Nginx, isolating over 10 components, resulting in improved system maintainability and scalability.

Cloud One

- Spearheaded the deployment of fully automated multi-server architecture using Ansible, achieving a 30% decrease in setup time across AWS and Azure environments while enhancing system reliability during integration tests.
- Configured and secured network components, including IPs, ports, and reverse proxy, optimizing connectivity and performance, resulting in a 20% decrease in latency.
- Automated the deployment of Docker, necessary dependencies, and services via SSH and Docker Compose using Ansible playbooks, cutting down setup time by 35% across multiple environments.

EDUCATION

Istanbul University - Computer Programming

Oct 2022 – Expected Jun 2025

- Proficiency acquired in algorithms, database management, JavaScript programming, cybersecurity, cloud computing, backend development, user experience design, mobile development, and system administration.

42 Istanbul - Software Engineering

Jun 2022 - Mar 2024

- 56 campuses in 30+ countries, is a large free IT school network, offering peer-driven learning. Gained experience in algorithms, C, C++, Python, and Bash/Shell in a project-based environment, enhancing collaboration and solving technical challenges.

SKILLS

Languages

- English:** Intermediate (B1) – **Turkish:** Native.

Technical Skills

- Programming Languages:** Python, Go, C++, C
- Web & API Development:**
 - RESTful APIs, JWT, CORS, CSRF
 - Backend: Django, Flask, Gin, Fiber, Goroutines
 - Frontend: React.js, WordPress, Bootstrap, TailwindCSS
- Cloud & Infrastructure:** AWS (EC2, S3), Azure, Docker, Vagrant, Terraform, Redis, RabbitMQ, K3s, Kubernetes
- DevOps & Automation:** ArgoCD, Jenkins, Shell/Bash Scripting, Ansible
- Monitoring & Logging:** Grafana, ELK Stack, Prometheus
- Networking:** Nginx, DNS Management, Subnet Masking
- Database Management:** PostgreSQL, MySQL, MariaDB
- Development Methodologies:** Agile, Scrum, Object-Oriented Programming (OOP)
- Tools & Platforms:** GitHub, GitLab, Postman, Swagger, VSCode, Canva, Figma
- Operating Systems:** Unix/Linux systems