

Hüseyin Daş

Software Engineer

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Summary

As an experienced software engineer, I have designed and implemented scalable solutions for large-scale applications. Currently, I am working on AI-driven projects, delivering innovative solutions in the field of data science, while also managing complex deployments in DevOps, focusing on optimizing CI/CD pipelines and cloud-based infrastructures. Leveraging my expertise in technologies such as Django, PostgreSQL, Docker, Kubernetes, AWS, and Redis, I continue to collaborate with agile teams to produce high-quality software. Additionally, I am actively developing projects with LLM models, LangChain, and RAG, and conducting in-depth research in these areas. Looking ahead, I aim to expand my work in both AI and DevOps, focusing on delivering cutting-edge solutions in these distinct fields.

Professional Experience

Software Engineer, Hybrone

Sep 2021 – present | İstanbul, Turkey

- Authored and co-authored academic articles published in domestic and international journals.
- Developed chatbots using the Rasa framework, reducing technical service workload by 30% and providing 24/7 user support.
- Implemented AI-driven features such as voice and camera support for mobile apps.
- Conducted fraud detection in retail using CCTV cameras and YOLO models, achieving over 90% accuracy.
- Developed facial recognition systems with custom facenet-based hybrid models, integrating them into the Hybrone platform.
- Built hybrid recommendation models for personalized user experiences on B2B and Hybrone platforms.
- Managed deployment, maintenance, and optimization of company platforms on AWS Kubernetes.
- Utilized AWS services including CodeBuild, Route53, S3, RDS, and EC2 for various projects.
- Established similar environments in the company's data center, handling Kubernetes installation and network management.
- Implemented CI/CD pipelines using ArgoCD and managed secret store for services.
- Configured monitoring and alerting systems with Prometheus, Grafana, and Graylog.
- Integrated SonarQube for code quality and optimization.
- Achieved a 20% cost reduction on AWS usage through optimization strategies.

Software Developer Intern, Biges

Jul 2021 – Sep 2021 | İstanbul, Turkey

- Developed the backend for the company's B2B platform using Django Rest Framework, integrated with Canias ERP.
- Managed ERP interactions to provide real-time information on dealer statuses, product stocks, and technical services to end users.
- Utilized PostgreSQL for database management, Celery for task queuing, Redis for caching, and Elasticsearch for search indexing.
- Employed S3 and GCP for storage, and Docker for containerization.
- Ensured the platform's active usage by over 3000 dealers, introducing an advanced, user-friendly B2B system in the sector.

Education

Software Engineering, <i>Firat University</i> Master's Degree	Feb 2024 – present Elazığ, Turkey
Software Engineering, <i>Firat University</i> Bachelor's Degree	Feb 2018 – Jul 2022 Elazığ, Turkey
Software Engineering, <i>Işık University</i> Bachelor's Degree	Nov 2017 – Jan 2018 İstanbul, Turkey

Publications

Face Identification in Security Systems, <i>Cukurova 9th International Scientific Researches Conferance</i>	09 Sep 2022
Market Fraud Detection with Image Processing, <i>International Conference On Emerging Sources In Science</i> ↗	26 May 2022
Product Recommendation System Based on AI, <i>RDCONF International Conference on Design, R&D</i>	15 Dec 2021

Certificates

Certificate of Participation <i>IKSAD Institute</i>
RDCONF2021 Certificate of Participation ↗ <i>Orclever Science&Research Group</i>

Projects

PYNQ Z2 Embedded Face Recognition ↗	May 2023 – Jun 2023
This project has been developed to be compatible with the Pynq Z2 embedded card.	

Languages

Turkish	English
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Skills

• Python	• Kubernetes	• ArgoCD	• AWS
• Prometheus	• Grafana	• Jenkins	• Github Actions
• Docker	• NLP/NLG	• YOLOv5/YOLOv7	• KNN/MTCNN/Caffe
• Django Rest Framework	• Flask	• FastApi	• Postgresql
• Mongoddb	• Redis	• Celery	• C#
• Javascript	• Java		