Musa Emir Dogan

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Programming Skills

- Languages: Python, C, C++, Bash Script, HTML5, CSS3
- Technologies: Docker, Nginx, Terraform, Terragrunt, Linux, CI/CD, Git, GitHub, Bitbucket, Supabase, New Relic
- Databases: DynamoDB, MySQL, SQLite, Microsoft SQL Server, PostgreSQL
- Cloud: AWS, DigitalOcean, Kubernetes, EC2, S3, Lambda, SQS, SNS, ECR, Helm
- Tools: jira, Confluence, Notion, Trello, Jupyter Notebook, Canva

Experience

- **Sufle Teknoloji Araştırma Geliştirme Ltd. Şti.**
  Istanbul, Turkey
  December 2024 - present
  Cloud & Platform Engineer
  - Managed AWS production infrastructure using Terragrunt and optimized Infrastructure as Code workflows.
  - Migrated an MSSQL database from EC2 to Amazon RDS, reducing operational overhead and costs.
  - Built a Kubernetes environment from scratch, including Karpenter, Metric-Server, Ingress Nginx, AWS Load Balancer Controller, and Cert-Manager Issuer integration.
  - Automated microservices deployment via Bitbucket CI/CD pipelines integrated with AWS ECR.
  - Implemented logging, metrics, and alert systems in New Relic, actively participating in on-call rotations for performance monitoring.
  - Developed and configured Fluent Bit – OpenSearch log forwarding and parsing, enhancing log analytics capabilities.
  - Participated in S3 static site migration behind VPN with PrivateLink and Route 53 Private Hosted Zone integration.
  - Contributed to ECS blue/green deployments and RDS Proxy troubleshooting for production workloads.
  - Improved team throughput by reducing delivery time for customer requests by 50%.

- **Yönetilen Bilgi Sistemleri A.Ş.**
  Istanbul, Turkey
  June 2024 - September 2024
  Software Engineer Intern
  - Analyzing and manipulating structured data using SQL queries
  - Performing data extraction and analysis through web scraping with BeautifulSoup and Selenium
  - Automating routine tasks and data collection processes using Python-based tools

- **EtruscAI**
  Istanbul, Turkey
  January 2024 - March 2024
  Machine Learning Engineer Intern
  - Built and fine-tuned a large language model (LLM) based on the DeBERTa architecture to detect and extract Personally Identifiable Information (PII) in text data for a Kaggle competition
  - Contributed to exploratory data analysis (EDA), including dataset inspection, preprocessing, and identifying key patterns affecting model performance

Volunteering

- **Google Developer Student Clubs -** CoLead
  Sep 2023 - Jun 2024
  - Collaborated and lead with local and global communities to foster innovation and peer-to-peer learning among students.

- **RenaByte Teknofest Team -** Founder & Team Captain
  Jul 2024 - Present
  - As team captain, he coordinated team communication, sprint planning and task allocation, and built and managed the entire cloud infrastructure of the project.

Projects & Posts

All of my personal projects and researchs are open source and published on https://github.com/memirdogan

- PythonEntranceApps: A diverse collection of beginner to intermediate level projects utilizing various Python libraries.
- Terraform-Architecture: Showcases a Terraform-managed architecture, where applications run securely within private subnets.
- k8s-minikube-2048: 2048 game deployment with Kubernetes on Minikube. Includes configurable resource management and secure secret integration using Helm.

Certifications

- **AWS Certified Cloud Practitioner**
- Validation Number: f0ec748aaa414fecad12b3e7ccc0c8e9

Education

- **Istanbul Aydın University**
  Istanbul, Turkey
  2022 - Present
  Bachelor's Degree in Management Information System

- **42 Istanbul Software School | école 42**
  Istanbul, Turkey
  2023 - 2025
  Cadet Student