

İlkecan Bozdoğan



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Backend/DevOps Engineer with an interest in functional solution stacks

Professional Experience

 **Kekik Teknoloji**
SOFTWARE/DEVOPS ENGINEER

Remote

Sep 2023 - Dec 2025

- Created Azure DevOps (ADO) CI/CD pipelines for multiple projects and Kubernetes clusters.
- Created and managed GitHub Actions workflows for various CI/CD tasks.
- Used Terraform to manage the AWS infrastructure and the GitHub organization of an e-commerce project.
- Created a Nushell based CLI tool to interact with Amazon ECS resources, similar to kubectl.
- Used Nix to create a consistent development environment between developers for a monorepo including Python and Rails applications.
- Managed the calculations of a finance project regarding different amortizations & payment schedules
- Created an internal Ruby library for SEO to automatically manage metadata and generate sitemaps for a multi-tenant platform.
- Managed the underlying routing mechanism for a multi-country, multi-language, multi-domain e-commerce project written in Rails.

Flask Nix Python Rails Ruby Terraform

 **NixOS Foundation**
SUMMER OF NIX PARTICIPANT

Remote

Aug 2021 - Oct 2021

- I was shortlisted for this two-month train and work program funded via the European Commission's NGI Initiative.
- Used Hydra and various *2nix projects and solidified my understanding of different concepts related to Nix.

C++ Hydra Nix OCaml Python Rust TypeScript

 **Kekik Teknoloji**
SOFTWARE/DEVOPS ENGINEER

Adana, Turkey

Sep 2020 - Aug 2021

- Created a decentralized application for the Ministry of Trade of Turkey using Ethereum smart contracts and IPFS.
- Managed cloud infrastructures with Terraform, provisioning servers with Ansible and created CI/CD pipelines for multiple clients.

Ansible Ethereum IPFS Terraform

 **in4mo Oy**
TESTING ENGINEER TRAINEE

Espoo, Finland

Jun 2019 - Sep 2019

- Worked on automated testing systems for multi-platform applications using Python-based Robot Framework and Selenium.
- Focused on systematic bug discovery across Android, iOS, Windows, and web platforms.

Confluence Jenkins Jira Robot Framework Selenium SonarQube

 **Kekik Teknoloji**
SOFTWARE ENGINEERING INTERN

Adana, Turkey

Jun 2018 - Aug 2018

- Developed a customized ETL pipeline in Python to transfer data from PostgreSQL to Amazon Redshift.
- Built a foundational understanding of data warehouses, schema migrations, unit testing practices, and the DRY principle.

Amazon Redshift PostgreSQL Python

Education

 **Middle East Technical University**
BACHELOR OF SCIENCE IN COMPUTER ENGINEERING

Turkey

2016 - 2020

Admitted through the national university entrance examination by ranking within the top 0.2 percent among more than two million candidates.

Projects

Guided Research Project

CO-RESEARCHER

Ankara, Turkey

Mar 2020 - Jun 2020

- Participated in a research project about a CycleGAN based, context aware video stream enhancer.
- The project was selected by AdımODTÜ (METU Development Foundation) for an undergrad research grant.
- It also gained second place at the METU CEng Guided Research Symposium 2020.

CycleGAN Python

- Delivered a graduation project centered on a trust-aware, community-detection-based recommender system for e-commerce.
- Took responsibility for backend and infrastructure components, CI/CD pipelines, automated testing, and database design.

Jenkins Neo4j Nginx Python TypeScript

Skills

Languages English (Fluent) | Turkish (Native)

Programming C | Haskell | JavaScript | Nix | Python | Ruby | Rust | SQL

Tech Stack AWS | Docker | Git | Kubernetes | Linux | Nix | PostgreSQL | Terraform

Frameworks & NumPy | Pandas | Polars | Rails

Libraries

Personal Interests Functional programming | Project Moon | Reading