Umut Zeren

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EDUCATION

TED UNIVERSITY
(100% English)

Secondary Field:Management

Ankara Turkey

BS in Computer Science
2017-2021

LINKS

Github:// **umutZeren**

LinkedIn:// **UmutZeren**

CONTACTS

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RESEARCH INTERESTS AND CERTIFICATES

Random matrix theory and machine learning

Self Learning roadmap github Link

NVIDIA Fundamentals Of Deep Learning For Computer Vision (certificate)

Coursera: Improving Deep Neural Networks:Hyperparameter tuning,Regularization and Optimzation

PROGRAMMING LANGUES AND STACK

Used in customer facing products.

- Java • Python
- Javascript • React • Typescript
- AWS • PostgreSQL
- MongoDb/Atlas
- DynamoDb

EXPERIENCE

AMAZON| SOFTWARE DEVELOPMENT ENGINEER NOV2022-CURRENT

- Participated on design, review and development of team-projects, Payments Team-Amazon One and Privacy-Team Onboarding-Automatization.

- Ownership on design and implementation of an project milestone that includes clarifying ambiguity,new api routes,lambdas, state machines.

- Developed microservice on event-driven hexagonal architecture.

- Recognized , root caused and fixed an distributed resources/permissions problem across project.

- Planned and implemented a migration on canary services from MAWS to NAWS system.Used cdks and Java in Lambdas.

- Redesigned and implemented alarms/dashboards for granularity configuring cloudwatch Insight Rules through multiple services.

- Onboard main and upstream dependencies to internal dependency management tool for optimizing dependency graphs/ versions between related projects/pipelines and InfoSec constraints.

- Participated and owned design reviews for long term solutions on bug fixes related to specific user scenarios.

- Designed Implemented unit and integration tests for VISA/AMEX api onboarding to payments system on amazon one project

- Developed/unblocked series of tasks letting team test code in local environment. Enabled faster development for all UI related tasks, 30% of the project.

NEUROCESS| SOFTWARE ENGINEER JULY 2021-OCT2022

London based sports science startup,had customers such as Manchester United,Leeds United..

- Developed Identity center and IAM based auth system.

- Designed and implemented business logic automation and mlops pipelines in aws +15 distinct resources.

- Designed and implemented migrating from monolithic local to serverless architecture consist of Kinesis Firehouse, lambda functions, API gateway,glue ,Athena, SES ...

- Leading a team of 3 (last 6 months)

- Inner company GUI tool for labeling, written with electron with react/webgl for performance.Storing,comparing custom formatted data, connected to AWS,pandas,numpy,boto3

- System monitoring tools ,alarms in slack via server monitoring.

- Migrated in production,react class based components to functional components.

TURK TELEKOM| SOFTWARE INTERNSHIP|JUNE 2020-JULY2021 DURING UNIVERSITY

- Created a test automation project and documentation for debt tracking system with (+40 million users) solely written by me in Python/Selenium.