

Oncel Keles

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Summary

Full Stack developer with expertise in NestJS, React, Typescript, Javascript, Terraform, AWS and more. Maintaining cloud infrastructure with infrastructure as code. Developed & maintained queue pipelines, scheduled jobs and ETL pipelines by utilizing serverless services, AWS SQS, AWS Lambda and Redis. Dashboards, infographics, tables and charting tools in the frontend development. Map components, custom flowchart designs for web applications. UX experience at designing chatbot user flows.

Experience

Full Stack Developer - IMAGO (Berlin, Germany), April 25' - current

- Building ETL pipelines for media ingestion on windows servers using python.
- Implementing internal modules to be used across internal teams with php.
- Writing technical solution outlines to make tasks ready to be developed for the team.
- Redesigning and refactoring media import pipelines and replacing older ones with modern horizontally scaled pipelines.
- Helping other internal non-technical teams with requests and tickets.

Full Stack Developer - VenueX (Istanbul, Turkey), December 21' - April 25'

- Initiated and maintained end-to-end design for ETL pipelines to be hosted on AWS services such as AWS Lambda, Step Functions, S3, EventBridge, which has an infrastructure created using Terraform CDK.
- AWS SQS queue implementation for cron jobs and consumer applications.
- Redesigning consumer pipelines for triggered and scheduled jobs which are handled in Redis queue systems, that are used to kick internal data to third party APIs such as Google Business Profile API, Google Content API by preparing and transforming the data and pushing them to proper API endpoints.
- Adopted a key role for developing and maintaining the backend RESTful APIs using NestJS and Typescript that are ranged between basic to complex logic and aggregations. Created custom validations to ensure data consistency between backend requests. Implemented interceptors for creating a demo version of the APIs.
- Analyzed and documented APIs from third parties such as Google, Apple. Implemented required changes to database schemas in order to comply with the requirements of such APIs to send out data to proper platforms.
- Design-to-code developments for the frontend web application. Created and improved dashboard pages and components which includes infographics, tables, charts using ReactJS, Typescript and MUI components.
- Created a widget for brands to use on their Shopify pages to be used by customers to query if products have stocks at any of the store locations.
- Cost optimization for AWS infrastructure on ECS via scaling policies using Terraform CDK.
- Created end-to-end tests for user scenarios using Cypress
- PubSub implementations for notification usages in Google Cloud PubSub

Front End Developer - Nanodems (Istanbul, Turkey), April 21' - December 21'

- Implementation of new pages and improving older ones for the web user dashboard pages using ReactJS and KendoUI.
- Integrated desktop app pages to the web frontend, while ensuring that application could carry out all the functionalities.
- Created a new Map component using OpenLayers to display security camera locations that can be distinguished between building floors with layering. Added image edit functionalities to provide a more customizable dashboard.
- Fixed video playback bugs on native IOS app using Swift to ensure the videos can be played without corruption both live and on playback.
- Lead the custom flowchart design like AWS Step Functions to create Robotic Process Automations on the web frontend application, that will carry out workflows that are triggered based on the charts the users created.

UX Designer - 4Play Digital Solutions (Istanbul, Turkey), May 19' - April 21'

- Created user flowcharts for chatbot apps, designed happy paths and solved edge cases to provide a smooth experience for the users .
- Designed landing pages and carried out A/B tests to decide on the design choices which suits the product the best.
- Designed wireframes creating the skeleton of the products regarding user behaviors on the apps, to be finalized by the UI designers.

Freelance Project, 2018

- Created a java desktop application for a mall management company. The app is used for calculating profit/loss insights for store rentals depending on the currency, store area and cost and providing spreadsheets for the results.

Skills

- **Technical Skills:** NestJS, ReactJS, JavaScript/TypeScript, Terraform, AWS services(Lambda, SQS, Step Functions, AWS CDK, EventBridge, S3), Google Cloud(Cloud Run, PubSub), Node.js, Next.js, Cypress, MongoDB, Git, MongoDB, Redis, RESTful APIs, OpenLayers, React Native, Java, C#, Python, FastAPI, Flask, Django, LLM, Unity, Docker, SQL, NoSQL,
- **Languages:** Turkish(Native), English(Advanced), German(Pre Intermediate), Japanese(Beginner)

Education

- Bachelor's of Computer Engineering - Bogazici University (Istanbul, Turkey)
- Istanbul Erkek Lisesi - Highschool