SERHAN OSMAN SILAHYUREKLI

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Experience

Trendyol   **Mar. 2022 – Present**
Full Stack Engineer   *Istanbul, Turkey*

- Collaborated with a team of 8 people, including full stack engineers, QA engineers, and product managers.
- Engineered a tool that streamlined store design for sellers, resulting in a **64%** adoption rate by using, **React.js** and **Nest.js**.
- Created a Seller Profile tab for **over 100K** sellers on Trendyol, enhancing their online presence by using **React.js** and **Nest.js**.
- Programmed a **Kafka consumer** to efficiently collect **over 52M** data points from multiple Kafka topics.
- Built a **React Native** app enabling **over 100K** sellers to easily design their stores.
- Executed the migration of **110K** WebP images of **30K** sellers to JPEG format, employing **Typescript, PostgreSQL** and **Couchbase**.
- Designed a core API to support multiple repositories, leveraging **Golang**.
- Crafted **Swagger** documentation for RESTful APIs, enhancing integration and streamlining documentation for API consumers.
- Implemented a reproducer to consume data from the **dead letter queue** and produce it to a **Kafka** topic using **Golang**.
- Managed end-to-end backend service deployments, from repository creation to deployment to **Kubernetes**.
- Presented the features developed by my team at monthly meetings.
- Led lunch learn sessions to introduce new concepts and technologies, promoting continuous learning across the tribe.
- Authored an **RFC** proposing the refactoring of our Kotlin project to **Golang**, outlining the benefits and implementation plan for enhanced scalability and performance.
- Achieved a nearly **50%** reduction in response time for customer-facing services by optimizing Mobile-WebGW, resulting in enhanced user experience.
- Improved general Mobile-WebGW response time by approximately **30%** while handling a **100%** increase in RPM, demonstrating effective scalability and performance enhancements.

Getir   **Sep. 2021 – Mar. 2022**
Software Engineer Intern   *Istanbul, Turkey*

- Contributed actively to the development and enhancement of backend systems for GetirFood, utilizing **Node.js** to drive improvements in performance and functionality.
- Wrote unit and integration tests for **60%** of the GetirFood's Post Order API endpoints using **Jest**.
- Resolved to ensure the correct and efficient functioning of endpoints.
- Participated in code reviews, providing valuable feedback to team members and promoting a culture of continuous improvement and code quality.

                                                                                                     Jun. 2021 – Sep. 2021
Data Scientist Intern   *Istanbul, Turkey*

- Devised an algorithm to optimize product placement in the warehouse, reducing courier retrieval time.
- Constructed an **AWS Cloudwatch** logs insights query to identify and address errors in the logs.
- Developed a parallel web and mobile crawler to collect content from **over 30K** products using **Selenium** and **Python**.

Education

Sabanci University   **Sep. 2017 – Feb. 2022**
Bachelor of Science in Computer Science and Engineering - CGPA: 3.54/4.00   *Istanbul, Turkey*

Technical Skills

Languages / Databases: TypeScript, Python, JavaScript, Go, Java, React.js, PostgreSQL, Couchbase, MongoDB, Redis

Technologies: Node.js, Docker, Git, GitHub, Bitbucket, GitLab, Jira, Kubernetes, Argo CD