

Ramiz Dunder

+1 (339) 231-3211 | Fall River, MA

ramizdundar@gmail.com | linkedin.com/in/ramizdundar | github.com/ramizdundar

SKILLS

- **Languages:** Java, Golang, Python, Bash, C, C++, SQL
- **Tools:** Git, Docker, Kubernetes, AWS, Jira, Jenkins, Linux

EXPERIENCE

Brown University

Dec 2023 – Present

Research Assistant

Providence, RI

- Implemented a fault tolerance mechanism inspired by Spark's lineage system to minimize re-execution of already executed parts, ensuring efficient error recovery.
- Rebuilt the Docker building system, significantly reducing build times from 4 minutes to a few seconds by optimizing Docker caching.
- Currently evaluating the system for submission to the prestigious NSDI conference in May, focusing on its performance and reliability in distributed environments.
- Skills: Bash, Golang, Python, Docker, Git, Distributed Systems, Fault Tolerance

Hazelcast

Dec 2020 – Jul 2023

Software Engineer II

Remote

- Improved read and write throughput by **40%**, consequently reducing cloud offering costs, by revamping the operation executor to a thread-per-core architecture and implementing new asynchronous storage APIs.
- Accelerated inter-cluster replication speed by **3x** through parallelizing replication logic.
- Promoted within 3 months with positive LinkedIn reviews from tech leads and managers as the youngest member of the core team, with a ten-year gap to the next youngest member.
- Resolved an extremely hard to find issue acknowledged by Netty's principal author, Norman Maurer, referenced in [hazelcast/hazelcast#24267](https://hazelcast.com/hazelcast#24267) and [netty/netty#13328](https://netty.io/netty#13328).
- Led teams to secure **1st** and 3rd places in Hazelcast's internal hackathons in 2023 and 2022, earning a total of \$2400 in prizes by integrating QUIC transport layer protocol and creating a test analyzing framework.
- Skills: Java, Kubernetes, Docker, AWS, Jira, Jenkins, Java Memory Model, Distributed Systems, Concurrency

Pragmacraft

Jul 2019 – Dec 2019

Machine Learning Engineer

Istanbul, Turkey

- Reduced the input text for a question-answering model by **10x** through the development of an extractive summary mechanism utilizing the k-means clustering approach, significantly reducing operational costs.
- Enhanced the question-answering model's accuracy by **2.3%** utilizing Google's Universal Sentence Encoder.
- Led the project presentation at Isbank's AI research center, the second-largest bank in Turkey.
- Skills: Python, Transformers, NLP

EDUCATION

Brown University

Sep 2023 - Expected Graduation: May 2025

Master of Science in Computer Science, 4.0 GPA

Providence, RI

Bogazici University

Jun 2021

Bachelor of Science in Computer Engineering, 3.8 GPA

Istanbul, Turkey

- Graduated with high honors, and secured 4th place among 89 in my class.