

# Halil Kaya

Istanbul, Turkey | +90 552 372 5781 | [hibrahimkayahik@gmail.com](mailto:hibrahimkayahik@gmail.com)  
[linkedin.com/in/halil-kaya](https://linkedin.com/in/halil-kaya) | [github.com/halil-kaya](https://github.com/halil-kaya)

## EXPERIENCE

---

### Software Engineer (Backend)

Teknasyon

Aug 2022 - Present

- Developed the Getcontact project, working on a scalable, distributed high-traffic backend system.
- Added new features to the backend system which serves millions of users.
- Improved performance and consistency by fixing MongoDB transaction performance bugs, resulting in a 50% increase.
- Increased performance by 110% by updating existing endpoints with bulkWrite usage.
- Implemented superset metrics of user actions to analyze and improve the application.
- Implemented rabbitMQ to solve scaling problems.
- Implemented one distributed service gRPC and made performance and stress tests to observe performance results.

### Software Engineer (Full-stack)

Naylalabs

May 2021 - Jul 2022

- Developed multiple projects including Biaylik, Koesta, Cielo, Fanera, and Orta şeker.
- Led a team in a subscription-based e-commerce project, developed checkout, payment, and refund services.
- Implemented caching to improve application performance by storing frequently used data.
- Optimized cron structure and fixed node.js thread performance issues, resulting in a 250% performance increase and cost savings for the company
- Designed and implemented a Service-Oriented Architecture (SOA) for projects to enhance performance and code quality.

### Software Engineer (Full-stack)

Inovatif-arge

Sep 2020 - Feb 2021

- Developed a library management system.
- Added cron services to reduce requests to external services.
- Created and developed backend API projects for a mobile application and admin panel using Vue.js.

## SKILLS

---

- **Backend:** Javascript, Typescript, Nodejs, Nestjs, Express, Socket.io, MongoDB, Redis, gRPC, Elastiksearch, RabbitMQ, Job Queues, bullMQ
- **Frontend:** HTML, CSS, Vuejs, Angular
- **Tools and Methodologies:** Linux CI/CD pipelines, TDD, Docker, Swagger, Postman, Testing, Jira, Git, Graylog, Disturbed Systems, SOA, Event-Driven Architecture, Microservices, AWS, PM2, Miro, Scrum, Kanban

## PROJECTS

---

- **nestjs-gRPC:** Developed an example project utilizing gRPC with Nest.js to provide a detailed example to the community. used Nest.js, gRPC, MongoDB, postgresql, Microservices, Redis, Docker, Jest, Monorepo
- **channel-challenge:** Developed the backend project for a real-time channel chat app using Nest.js, Socket, MongoDB, Elastiksearch, RabbitMQ, Redis, Docker, daily logging, and Jest.
- **nestjs-boilerplate:** Created a Nest.js boilerplate project featuring logging, caching, error handling, useful decorators, and authentication techniques. Utilized Nest.js, MongoDB, Redis, Logging, and Jest.
- **instagram-story-challenge:** Created a simple demo of the Instagram story feature using Nest.js, MongoDB, PostgreSQL, Microservices, Job Queues, Jest, and Docker.

## EDUCATION

---

Fatih Sultan Mehmet Foundation University | Bachelor's degree in Computer Engineering,

Sep 2017 - June 2022