

# Mehmet Mallı

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## EDUCATION

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- **Dokuz Eylul University** Izmir, Turkey  
*Master's Degree in Computer Engineering* *Oct. 2020 – Expected Grad. 2022*
- **Izmir University of Economics** Izmir, Turkey  
*Bachelor's Degree in Software Engineering, cGPA: 3.11/4.00* *Sept. 2016 – June 2020*
- **Izmir Ozel Ege High School** Izmir, Turkey  
*GPA: 80.38/100* *Sept. 2012 – June 2016*

## EXPERIENCE

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- **Trendyol** Remote, Turkey  
*Software Engineer* *Dec 2021 - Present*
  - **Main Focus:** Designing and implementing efficient, elegant and useful software; aiming to improve the overall developer experience at Trendyol (the largest e-commerce site and the first decacorn of Turkey).
  - **Fullstack Development of Internal Developer Portal:** Took part in and wrote performant code for Trendyol's internal developer portal called Pandora, built with Backstage (CNCF open source project initially built and used by Spotify). TDD approach and code reviews were applied to all tasks. Technologies and languages used in the project were React, Node.js, TypeScript and PostgreSQL.
  - **Development of Internal Tools:** Took part in and wrote performant code for Trendyol's internal tools used by domain and operational teams. TDD approach and code reviews were applied to all tasks. Technologies and languages used in the projects were TypeScript, Go, Node.js and React.
  - **Open Source Contribution:** Contributed to open source projects of Trendyol and CNCF projects (mainly Backstage).
- **Kentkart** Izmir, Turkey  
*Systems Engineer* *Mar 2021 - Nov 2021*
  - **IoT Project:** Was responsible for the analysis of government funded (TEYDEB) IoT project involving weather/air quality sensors in and on busses and stations.
  - **Qatar CCHS:** Took active role in integration of Doha's transportation system into Qatar Ministry of Transport and Communications' Central Clearing House System in collaboration with international teams.
  - **Analysis and Design of Software Modules:** Analyzed many software modules and customer requirements in order to design the implementation details and solve the problems that customers face.
  - **Testing of Software Modules:** Created test plans, test cases, and wrote test code with Mocha to do automated unit and API tests.
  - **Documenting:** Prepared documentation templates for all phases of the SDLC and documented all the work done in a maintainable manner.
- **Amatis** Izmir, Turkey  
*Frontend Developer* *Oct 2020 - Mar 2021*
  - **Angular Frontend Development:** Worked in a team and wrote TypeScript code with Angular framework for developing web applications that suit the needs of customers. Used GitLab for collaboration and version control, and JIRA for project management.

- **Vue.js Frontend Development:** Worked in a team and used the frontend JavaScript framework Vue.js for developing web applications that suit the needs of customers. Used GitLab for collaboration and version control, and JIRA for project management.

- **JotForm**

*Software Engineering Intern*

Izmir, Turkey

*June 2019 - July 2019*

- **JotForm Desktop Kiosk Mode Application:** Used Electron, JotForm API and several Node.js modules to replicate the "kiosk mode" functionality of JotForm mobile application in form of a multi-platform desktop application.
- **JotForm Telegram Integration:** Worked together with another intern to develop a Telegram integration using Telegram API, PHP, MySQL and HTML/CSS/JavaScript, which helps users get instant notifications on Telegram with each form submission.
- **Widgets:** Created form widgets using HTML/CSS/JavaScript and JotForm Widgets API.

## PROJECTS

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- **Image Tracker:** Used React, Node.js and MongoDB to create a system that enables users to upload an image and generate a URL from it which can be used to track when and by whom it was requested.
- **PerfAnalytics:** Used React, Node.js, MongoDB and Redis to create a system that enables users to log and view performance data. The system consists of a library/module written in JavaScript, a backend API that uses Express(Node.js) and a frontend application written with React. The library sends performance data such as TTFB, FCP, DOM Load, Window Load and file timings to the backend API and the data is stored in a database. The frontend app requests the data and shows it as charts and lists.
- **Senior Project:** Developed a rapid, economical and sensitive diagnostic method that uses attenuated total reflectance Fourier transform infrared (ATR-FTIR) and UV-Vis spectroscopy for different types of diseases combined with machine learning and multivariate data analysis, under the supervision of Asst. Prof. Günnur Güler, with three other team members. The project was funded by TUBITAK 2209/A funding program(2020).
- **IUE Scheduler:** Used Vue.js to create a single page web application that help students of Izmir University of Economics create a course schedule. It lists and visualizes all possible course section combinations of user's selected courses without any conflicts.
- **Working Memory Training:** Used Vue.js to create a game that helps train users' working memory and track their progress via graphs.
- **IOTA Price:** Used Electron to create a MacOS system tray application that shows the current price of 1 mIOTA (cryptocurrency).
- **Bots:** Used Node.js, several npm modules, libraries and APIs to create Telegram(messaging app) and Discord(text/voice/video chat app) bots.
- **Firefox Extensions:** Created several useful Firefox Extensions.
- **Face Recognition Attendance System:** Used C++ and the OpenCV library to create a class attendance system that utilizes face recognition via eigen-faces and image processing techniques. The project won 3rd place in DOESEF Project Contest(2013) in computer division.

## ACHIEVEMENTS

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- **TUBITAK 2209/A Project Funding:** Senior project was funded by TUBITAK 2209/A funding program(2020).
- **DOESEF Project Contest 3rd Place:** Won a 3rd place award at DOESEF Project Contest(2013) in Computer Division, Class Attendance System Using Face Recognition with Eigen-Faces and Image Processing Techniques.
- **High School Scholarship:** Awarded full scholarship at Ozel Ege High School.

## ACTIVITIES

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- **Global Game JAM:** Attended GGJ-EGE, a 48 hour game making jam that starts at the same time globally, at Izmir University of Economics in 2017.
- **TUBITAK Project Contest:** Attended in 2013.
- **DOESEF Project Contest:** Attended in 2013.

## SKILLS

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- **Programming Languages:** JavaScript, TypeScript, Go, Python, Shell Scripting
- **Tools and Libraries:** React, Vue.js, Angular, Node.js, Backstage, Jest, Mocha, Docker, Kubernetes, Electron, Redis, Kafka, Git, Firebase, Scikit Learn
- **Languages:** Turkish (Native), English (Advanced), Russian (Beginner), Spanish (Beginner)

*References are available upon request.*