

# Mohamed Hosam

SOFTWARE ENGINEER · FULL STACK DEVELOPER

Tepeköy Mah. izmit, Kocaeli, Turkey

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## Summary

Over the last 3 years, i have built several projects with different programming languages. Currently, I am leveraging the power of AI with tools like ChatGPT and Github Copilot to code at 5x speed and learning system architecture, design patterns, and contributing to open-source projects. I believe in writing clean, well-documented code to help the team work more efficiently. Looking forward to discussing more in an interview.

## Experience

### Freelance

Remotely

#### NEXTJS DEVELOPER

July 2023 - Present

- Collaborated directly with clients to gather requirements and translate them into system specifications, ensuring alignment with project goals and objectives.
- Developed a high-performance e-commerce website from scratch using Next.js. Implemented an intuitive admin dashboard for efficient order management and comprehensive sales reporting. [Preview](#)
- Created an Intelligent Lighting Distribution Planner that automates lighting distribution based on room dimensions, ensuring rapid response and enhanced user experience [Preview](#)

### Metal Maker 3D

Krakow, Poland

#### PYTHON SOFTWARE ENGINEER (ERASMUS INTERN)

July 2023 - September 2023

- Led a team of interns at in developing a plugin for UltiMaker Cura 3D printing software, automating sprue generation for metal parts, drastically reducing design time from 3-5 hours to less than 5 minutes. [MetalMaker3D](#)
- Organized the project by breaking it down into manageable tasks, ensuring each team member had a well-defined role and responsibility. Leveraged Agile Methodology and GitHub for task management, fostering collaboration and transparency among team members.
- Contributed to the company's goal of enhancing 3D printing capabilities, delivering a valuable tool for UltiMaker Cura 3D software, significantly improving efficiency and user experience in part production.

### Kocaeli University Labs

Kocaeli, Turkey

#### FULL STACK DEVELOPER

Jun. 2022 - Nov. 2022

- Developed [Food Scholarship Website](#) using [ASP.Net MVC](#) for student applications.
- Built a user-friendly scholarship application form, validating user inputs during submission.
- Ensured robust student login and authentication for secure scholarship application access.
- Designed an intuitive application view page, enabling students to manage submissions.
- Implemented mandatory field validation controls in the application form for data accuracy.
- Proactively addressed and resolved post-deployment bugs and student issues.

## Skills

<b>Programming</b>	Python, TypeScript, C, Node.js, Bash/Linux
<b>Back-end</b>	MongoDB, MYSQL, RESTful API, Express, Flask, Prisma, SQLAlchemy
<b>Front-end</b>	NextJS, ReactJS, HTML/CSS/Javascript, Tailwind CSS, WordPress, Jest
<b>Others</b>	Git/GitHub, Agile/SCRUM, Debugging, Unit Testing, OOP, Design Patterns, System Design, Machine learning, Data Structure
<b>Languages</b>	Arabic, English, Turkish

## Education

### Kocaeli University

Kocaeli, Turkey

#### B.S. IN COMPUTER ENGINEERING

Sep. 2020 - May 2024

- Turkey Merit Scholarship Holder. GPA of 3.5. Erasmus+ Internship Recipient