

# Baran Deniz Dogan

## Mechanical Engineer

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📅 25th May 1998 🌐 github.com/barandenizdogan 🚗 B-M

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## PROFILE

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Dynamic and results-driven Production Engineer with extensive experience in optimizing manufacturing processes, ensuring product quality, and implementing cost-effective solutions. Proficient in 3D modeling, bringing innovative designs to life with precision and attention to detail. Adept at Python programming and back-end development, with a proven track record in creating robust, scalable, and efficient systems. Combines a solid engineering background with a passion for technology and coding, offering a unique blend of skills to drive product development and enhance operational efficiency. An analytical thinker and problem solver, committed to continuous learning and staying updated with the latest industry trends.

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## PROFESSIONAL EXPERIENCE

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### Technical Support Specialist and Instructor

Zaxe 3D Printing Technologies

Oversee the entire installation process of 3D printers at client locations, ensuring that the setup is according to specifications. Collaborate with the sales and delivery teams to ensure timely and accurate installations.

Ensure proper calibration and testing post-installation to confirm the machine's operational effectiveness.

January 2017 –

November 2019

Istanbul, Türkiye

### Production Engineer/Volunteer Internship

Mehmet Akçalı - B'ITS 3 Boyutlu Teknoloji Sistemleri  
Tic. İth. İhr.

Manage daily operations of 3D printers, ensuring optimal print quality and efficiency. Select appropriate printing parameters, including layer height, infill density, and support structures.

Monitor ongoing print jobs, making necessary adjustments to ensure optimal results.

February 2017 –

August 2019

Gaziantep, Türkiye

### Robotic Coding Instructor for kids

Özge Alıcı - Mucit Çocuk Atölyesi

Design and conduct interactive lessons that introduce children to basic robotics and coding principles. Engage students with hands-on projects and challenges to fortify their understanding.

March 2018 –

August 2018

Gaziantep, Türkiye

### Mechanical Engineer Intern

Balkan Robot Teknolojileri

As an Intern Engineer, I am currently working to develop myself into every parts of the robots starts from designing a cell.

September 2023 –

January 2024

Bursa, Nilüfer

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## EDUCATION

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### Gaziantep University

Mechanical Engineering

Engineering Mathematics, Thermodynamics, Machine Design, Fluid Mechanics, Heat and Mass Transfer, Material Science for Engineers, Computer-Aided Design (CAD) Mechanical Vibrations, Robotic

August 2016 – present

Gaziantep, Türkiye

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## SKILLS

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CAD Apps (e.g.  
Solidworks, AutoCAD)

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Office 365 and Cloud  
Systems

● ● ● ● ●

Python

● ● ● ● ●

Node.JS

● ● ● ● ●

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## LANGUAGES

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English  
C1

● ● ● ● ●

Turkish  
Native

● ● ● ● ●

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## INTERESTS

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### Robotic Coding

Design code infrastructures.

### Night Photography

Capturing star photos.

### Instruments

Classic Guitar, Electric Guitar, Acoustic Guitar

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## PROJECTS

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### OORBS - Mobile Application Development

Founder and Back-End Developer

February 2022 – present

<oorbs studio> team is a group of skilled developers and designers who are passionate about creating visually stunning and user-friendly mobile applications. They specialize in utilizing the latest design trends and technologies to create visually appealing and intuitive interfaces.

### Invenire, Inc.

Invenire Software Company - Founder and Back-End Developer

Invenire is a company that aims to provide its clients with unique and innovative software solutions in an age where technology is constantly evolving. Much like the word "Invenire" in Latin means "to find, to discover", we strive to identify the needs of the industry and offer the most suitable solutions for these needs.

### DKS - DERBİS KONTROL SİSTEMİ

This application streamlines data flow between the organizations and the Ministry, enhancing process speed and efficiency.

Automated manual processes previously conducted in Excel, reducing error rates and improving process management.

### GAMA

Gaziantep Makine Araştırma

Community for Mechanical Engineers and Mechanical Engineering Candidates.

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## REFERENCES

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**Ömer Yavuz Bozkurt**, Prof. Dr., Gaziantep University  
oybozkurt@gantep.edu.tr

**Hasan Çiçek**, MEA Zone Risk Leader, Schneider Electric Dubai

**Ahmet Mustafa Köş**, Senior Armor Integration Specialist Engineer, BMC Savunma  
90 506 422 95 02

**Salih Çilsal**, CBO, ArgeX

**Umut Özkaya**, Senior Mechanical Design Engineer, Infinia  
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## DECLARATION

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I hereby declare that all the above information is correct and accurate.

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**Baran Deniz Dogan**