

# BARIS PINAR

## Software Development Engineer

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## Summary

**Computer Engineering** graduate from **TED University (2022)** with a strong foundation in **Java**. Experience in **Python** programming language and cloud-based solutions (**AWS** and **Azure**). Passionate about building and maintaining serverless architectures. Also, experienced in creating dynamic web applications using the **React** framework. Outside of technology, I enjoy traveling and am an avid chess player. Eager to stay at the forefront of the Computer Science field, continuously enhancing my skills and seeking new avenues for growth.

## TECHNICAL SKILLS

- **Python**
- **Java**
- **AWS**
- **Database (SQL / NoSQL)**
- **React**
- **Apache Airflow**
- **Azure**
- **Docker / Linux Server**
- **Spring Boot Framework**

## PROFESSIONAL EXPERIENCE

### Goctur | Backend Developer

Aydın, TURKEY | 05/2023 - Present

- Leveraged IoT Hub, IoT Hub Python SDK, CosmosDB, and Azure Stream Analytics to architect a robust cloud-based solution in **Azure**, resulting in a 40% increase in efficiency in monitoring and managing the company's IoT devices.
- Spearheaded the development of DAGs in **Airflow** utilizing Python, leading to a 60% reduction in manual intervention and ensuring seamless operation across multiple internal systems.
- Enhanced the company's website functionality through **React TypeScript**, successfully incorporating new features which led to a 25% rise in user engagement and improved customer satisfaction.

### Neurocess Limited | Software Developer

London, UK | 11/2021 - 11/2022

- Developed and implemented automated systems on **AWS** using Lambda, Fargate, S3, Step Machine, Athena, and Kinesis services to reduce operational costs by 35%
- Created **Linux Server** maintenance system using pm2, crontab, and bash scripting to minimize server downtime by 40%
- Designed UI projects using **React** and **Electron.js** which increased user engagement by 25%
- Implemented Lambda scripts to automate data processing tasks using **Python** language
- It developed and optimized backend services using **Python**, resulting in a 30% decrease in server response time.

### Ante GRUP | Unity Developer Intern

Ankara, TURKEY | 06/2021 - 09/2021

- Learning basics of Unity and C# coding language
- Having chance to work with Unity developers and working on defense industry projects
- Building a desktop application using .NET Framework (WPF) for importing 3D models and re-ordering model animations on Unity according to user selections

### JotForm | Backend Developer Intern

Ankara, TURKEY | 07/2020 - 09/2020

- Learning basics of PHP, Apache Servers and API
- Working with backend developers and creating solutions for JotForm customers during my internship
- Creating Telegram based JotForm Chatbot system which customers can create and answer JotForm forms with their JotForm accounts using Telegram app.

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## EDUCATION

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**TED University** | *Bachelor of Computer Engineering*

*Ankara, TURKEY* | **09/2017 - 06/2022**

- Data Structures and Algorithms
- Object-Oriented Programming with **Java**
- Database Design and Management
- Operating Systems and Computer Networks
- Basics of Machine Learning
- Memory Optimization and Parallel Programming (Threading) with C

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## PROJECTS

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- **Chat Application** | Side Project
  - As a personal endeavor, I created a web application using **Java**, **Spring Boot**, and **React**, incorporating WebSockets for real-time communication. This project showcased my ability to build both front-end and back-end components, with features encompassing user registration, secure login using JWT tokens, and private messaging. This practical undertaking not only refined my full-stack development skills but also underscored my dedication to continuous learning and innovation in software development.
- **Batch Processor** | Side Project
  - Optimize data transmission with our **Python**-based Batch Processor. Ideal for efficiently sending large datasets in compact packages. Elevate your data handling process with streamlined efficiency.
- **Chess Game** | TED University CMPE211 Project
  - For my CMPE211 course project, I created a 2D chess game using **Java**. This two-player game challenged me to apply object-oriented programming concepts and graphical interfaces effectively. Through this project, I enhanced my Java skills and gained valuable insights into game development and user engagement in computer science.
- **Sentiment Analysis on Bitcoin** | TED University CMPE414 Project
  - For CMPE414, I collaborated with a colleague to develop a Bitcoin value estimation system using Sentiment Analysis on tweets. By incorporating lemmatization, TF-IDF, and Gini index, our project combined Natural Language Processing with financial analysis to gauge the influence of sentiment on cryptocurrency markets. This experience enriched my skills in data manipulation, machine learning, and teamwork, highlighting my commitment to pioneering solutions at the crossroads of technology and finance.
- **Fatigue Analysis with EMG Signal** | *TED University Senior Project*
  - As part of a collaborative effort with three fellow course colleagues, I undertook a senior project that addressed a crucial issue in healthcare technology. Sponsored by Neurocess Limited, our project focused on fatigue analysis utilizing EMG data. My responsibilities encompassed a range of pivotal tasks, including processing intricate EMG data, conducting feature selections to distill key insights, and architecting efficient serverless solutions. Through leveraging the capabilities of **AWS**, I ensured seamless interoperability for the entire project. This undertaking not only advanced my technical proficiency in data processing and cloud computing but also exemplified my dedication to impactful projects that align technology with real-world healthcare challenges.