OKTAY PARLAK

SOFTWARE ENGINEER

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SKILLS

Programming Languages	Javascript, Typescript, Java, Python
Frameworks & Libraries	Node.js, Express.js, Spring Boot, React.js, Django, FastAPI
Database Systems	Relational Databases (PostgreSQL, MySQL), Non-Relational Databases (MongoDB, Redis, ElasticSearch)
DevOps	Amazon Web Services (S3, SES), Firebase, Docker
Tools & Technologies	Git, Github, Restful API, Websocket

EXPERIENCE

Orion Innovation/Software Engineer Intern
February, 2025 - April, 2025

- Developed a scalable task management AP| using FastAP| with a modular architecture (routers, services, schemas, database layers).
- Implemented JWT-based authentication and role-based access control, storing user-specific tasks securely in a MySQL database.
- Integrated OpenSearch for indexing and searching tasks; connected via Docker and designed custom search queries.
- Added Celery with Redis for background task processing and used Flower for monitoring asynchronous jobs such as indexing on task creation.

Limon Creatif/Software Developer Intern
September, 2024 - October, 2024

- Limon Creatif is a software company that provides innovative software solutions to meet diverse client needs.
- Managed and developed the entire backend and deployment process for the İndirimci Panda application, ensuring seamless functionality and deployment.

Bionluk/Freelancer Software Developer
August, 2022 - Now

- Created 10+ customized web applications using Node.js, Express.js, MongoDB and React, providing efficient and scalable solutions. worked with both SQL (PostgreSQL) and NoSQL databases.
- Experienced in developing algorithms with Java and creating RESTful web services using Spring Boot.
- Worked on various client projects, creating applications with diverse technologies and methodologies.

Made in Graphic/Software Developer
August, 2023 - September, 2023

- Established the backend system for electric vehicle charging stations.
- Contributed to implementing various functionalities, including payment processing, and charge initiation and termination.
- Ensured reliable and efficient system performance for seamless user experience.

EDUCATION

Erciyes University - Turkey
Bachelor's in Computer Engineering
Graduation Year: 2024
GPA: 2.91

Courses:
- Object Oriented Programming
- Data Structures and Algorithms
- Database Management Systems
- Software Engineering
- Linear Algebra
- Discrete Math

COMMUNITIES

Google Developer Students Clubs Erciyes

Core Team Member | 2022-2023

IEEE (Institute of Electrical and Electronics Engineers)

Computer Society Member | 2021-2022

CERTIFICATIONS

React Bootcamp
Erciyes Teknopark | 2023

Advanced Java
BTK Akademi | 2022

GENERAL

Languages
Turkish (Native), English (Proficient)

General
Chess, photography, public speaking, mentoring, writing

REFERENCES

Hasan Ekşi
- Software Engineer, Limon Creatif

Assoc. Prof. Bilal BABAYİĞİT
- Academican, Erciyes University

Assoc. Prof. Mete ÇELİK
- Academican, Erciyes University

PROJECTS

İndirimci Panda
October, 2024

- Led the backend development of İndirimci Panda, a mobile application that enables users to track online discounts and receive notifications for selected categories or brands, built using Express.js and Firebase.
- Dockerized the application and deployed it on AWS, ensuring efficient and error-free deployment processes, and enhancing scalability for a growing user base.
- Utilized AWS S3 for secure data storage and AWS RDS for robust database management, significantly improving data retrieval speeds and system performance, supporting the app's ability to handle real-time notifications.

GoalHive   *September, 2024*

- GoalHive is a web-based project management tool that organizes tasks using boards, lists, and cards. It helps teams collaborate, track progress, and manage deadlines in real-time. Constructed using the Express.js, React, Node.js, and PostgreSQL, ensuring robust data structure and efficient queries.
- Implemented JWT-based authentication and authorization, providing secure access to user-specific boards and tasks.
- Optimized the backend for performance and scalability, leveraging PostgreSQL and Sequelize to handle large volumes of task data and ensure smooth synchronization across the application.

Accreditation Tracking System   *April, 2024*

- Designed a web application with an intuitive interface for managing accreditation applications, allowing over 500 academics to submit applications and enabling 20+ admins to review them efficiently.
- Utilized Node.js, Express.js, React.js, and PostgreSQL to develop a robust system that streamlined the application review process, cutting review time by 30% and increasing overall administrative efficiency.