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💻 On-site
Hybrid
Remote
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Languages

English

Turkish

Native Speaker

Interests

Chess

Social networks

🐦 @shenburak
in @shenburak
🐦 @shenburak
f @shenburak
📷 @shenburak

Burak ŞEN

Software Developer

While using all the technical knowledge I have accumulated with my self-sacrificing and hardworking character, I also take care to improve myself and add innovation to the environment I work in.

Education

Economy

Since 2022 [Istanbul University](#) Istanbul, Turkey

Bachelor's Degree

Physics

Since 2020 [Middle East Technical University](#) Ankara, Turkey

Bachelor's Degree

Justice

Since 2018 [Istanbul University](#) Istanbul, Turkey

Associate Degree

Computer Programming

From 2018 to 2020 [Istanbul University-Cerrahpasa](#) Istanbul, Turkey

Associate Degree

GPA: 3.68

High School Diploma

From 2014 to 2018

[Karadeniz Eregli Anatolian High School](#) Karadeniz Eregli, Zonguldak, Turkey

Work experience

Backend Developer

Since April 2022 [Ekip.co](#) Remote

- SOLID Principles
- Hexagonal Architecture
- Domain Driven Design
- CQRS
- MongoDB change streams
- Zoho (CRM, analytics, finance)
- Docker
- Google Cloud

Software Developer (Freelance)

From November 2018 to December 2019 - Istanbul, Turkey

Software developments for high schools (attendance tracking, accounting, event management, etc.)

Full Stack Developer

From August 2019 to October 2019 [Makdos](#) Istanbul, Turkey

- Writing user panel in MVT structure with Django
- Taking part in firewall installation and management
- WHMCS

Intern

From July 2019 to August 2019 [Makdos](#) Istanbul, Turkey

- Apache CloudStack installation and management in the cloud migration processes within the web hosting company
- Playing an active role with technical support roles

Founder

From November 2015 to November 2018

[MoneDent](#) Karadeniz Eregli, Zonguldak, Turkey

Social networking service and school management system for high schools

Projects

Developer/Contributor

Since July 2021 [ADL/CutLang](#)

A Particle Physics Analysis Description Language and Runtime Interpreter

Conference Proceedings

Physics-focused HEP data analysis with ADL/CutLang

N.G. Ünel, A. Adıgüzel, B. Göktürk, V.E. Özcan, B. Şen, S. Sekmen

Turkish Physical Society 38th International Physics Congress (TPS-38) · Sep 3, 2022

Democratizing LHC Data Analysis with ADL/CutLang

S. Sekmen, N.G. Ünel, H.B. Prosper, A. Adıgüzel, B. Şen

Proceedings of The European Physical Society Conference on High Energy Physics — PoS(EPS-HEP2021) · May 12, 2022

Declarative interfaces for HEP data analysis: FuncADL and ADL/CutLang

B. Şen, C. Huh, N.G. Ünel, G. Watts, H.B. Prosper, M. Proffitt, S. Sekmen

20th International Workshop on Advanced Computing and Analysis Techniques in Physics Research (ACAT2021) · Dec 1, 2021

Analysis Description Language and CutLang Interpreter for HEP

A. Adıgüzel, B. Göktürk, B. Örgen, V.E. Özcan, S. Sekmen, B. Şen

Turkish Physical Society 37th International Physics Congress (TPS-37) · Sep 2, 2021

Workshops

Run 2 analysis example (with ADL)

S. Sekmen, N.G. Ünel, B. Şen

CMS Open Data Workshop 2022 (contribution) · Aug 4, 2022

Activities

METU Physics Society

Member (2020-2022)

I took responsibilities in the management and technical affairs of the society. I was also responsible for social media management.

Seminars & Certifications

QBronze Quantum Programming Workshop (QTurkey)

Ankara, Turkey

Skills

SOLID

Apache CloudStack

Microservices

Kubernetes

Docker

Virtualization

DevOps

MongoDB

MySQL

PostgreSQL

DynamoDB

Apache Kafka

RabbitMQ

R

MATLAB

Python

C/C++

NestJS

Node.js

C#

React

AWS

GCP

Azure