



Muhammetberdi Jepbarov

Software & Electronics Engineer

I specialize in crafting robust network applications, adhering to the principles of security, performance, and clean code. My multifaceted background extends beyond software development. I possess in-depth knowledge of robotics, mechanics, and electronics. In addition, I've actively volunteered with the Google Developers Group, immersing myself in cutting-edge technologies and fostering a vibrant community. I've successfully guided development teams to achieve remarkable milestones.

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WORK EXPERIENCE

Development of Smart Home automation system in "16-njy Tapgyr" and "Gorjaw" Oguz Han ETUT Innovations Lab

09/2020 - 06/2022

Ashgabat, Turkmenistan

- Build communication between Arduino, Esp8266 & RPi
- Developed electronic devices for seamless IoT control
- Designed API for devices and sensors efficient control

Software Engineer, Freelance AI-Printable

11/2022 - 03/2023

Freelance

- Implemented secure RESTful e-commerce web APIs
- Integrated AI image generation service into the app
- Collaborated with the frontend development team

Software Engineer, Project Manager Sap Chozgut

08/2019 - 06/2022

Ashgabat, Turkmenistan

- Developed a scalable accounting and human resource application suite, optimizing efficiency and accuracy in financial and HR processes
- Improved server security and optimized application performance, resulting in a better performance of apps
- Lead development team by planning & organizing projects, managing progress and engaging in teamwork
- Implemented an IoT integrated smart parking system for precise secure and streamlined parking management

CERTIFICATES

Completion the Leadership Academy & Innovation Lab / UNFPA, British Embassy

EDUCATION

Bachelor's degree, Nanoelectronics Oguz Han Engineering and Technology University of Turkmenistan

09/2017 - 06/2022

GPA: 87/100

SKILLS

DevOps

Python

Golang

TS

Linux

IoT

Electronics

Agile/Scrum

Network & App security

Creativity

Communicativity

Flexibility

VOLUNTEER EXPERIENCE

Mentor, Club Ambassador Technovation Girls Turkmenistan

Mentor & Speaker Google Developers Group Ashgabat

AWARDS

2nd place at "Sanly Chozgut-2021" innovation project competition / "Logistics" division
"Turkmentelecom" agency

Certificate of Appreciation to the first Hackaton in Turkmenistan / "Voodoo boys" - 1st place (07/2021)
Google Developers Group Ashgabat

2nd place at "Sanly Chozgut-2022" innovation project competition / "Logistics" division
"Turkmentelecom" agency

LANGUAGES

English
Full Professional Proficiency

Russian
Native or Bilingual Proficiency

Japanese
Limited Working Proficiency

German
Limited Working Proficiency

Turkmen
Native or Bilingual Proficiency

INTERESTS

Music

Cinematography

Cybersecurity

AI

Cryptography

Continuous learning

Volunteering

MUHAMMETBERDI JEPBAROV

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<https://pages.github.com/mikebionic/portfolio>

SKILLS

| | |
|---------------------|---|
| Programming: | Go, TypeScript, Python, Data-science, Network & app security |
| Engineering: | Electronics, Arduino, Robotics, PLC |
| Project management: | Problem solving, Creativity, Agile/Scrum |
| Leadership: | Flexibility, Planning & organizing, Stress-resistant, Communicativity |

EDUCATION

Oguz Han Engineering and Technology University

Ashgabat, Turkmenistan

Bachelor Electronics engineer *GPA: 87/100*

08/2017 - 06/2022

- Studied Electronics Engineering under Japanese professors, combining theoretical knowledge with hands-on projects and practical applications.
- Excelled in programming languages such as Python, C++ and JavaScript, gaining a strong foundation in software engineering principles.
- Engaged in project work competitions and successfully implemented a Smart Home system into production.

WORK EXPERIENCE

AI-Printable

Freelance

Software Engineer

11/2022 - 03/2023

- Designed and implemented RESTful e-commerce web APIs for AI-Printable, enabling seamless integration with third-party platforms and enhancing overall system interoperability.
- Integrated cutting-edge AI image generation service into the application, enhancing user experience by providing personalized and high-quality image outputs tailored to individual preferences.
- Collaborated with the frontend development team to architect and implement key features using React.js and Redux, contributing to an intuitive user interface and seamless user experience at AI-Printable.

Sap Chozgut

Ashgabat, Turkmenistan

Software Engineer, Teamlead

08/2019 - 06/2022

- Designed and developed a scalable accounting and human resource application suite for Sap Chozgut's marketplace, optimizing efficiency and accuracy in financial and HR processes.
- Improved server security and optimized application performance by implementing advanced caching strategies and server-side rendering, resulting in a more secure and faster e-commerce application deployment at Sap Chozgut.
- Designed and implemented a cutting-edge IoT-integrated smart parking system at Sap Chozgut, incorporating automated sensors and electronic devices for precise accounting calculations and streamlined parking management.

PROJECTS

Smart Home IoT Arduino, RaspberryPi, Python

<https://github.com/mikebionic/IoT-Switch>

Crafted a complete Smart Home IoT automation system utilizing Raspberry Pi and electronic components. Designed and implemented APIs, developed a mobile application, and established seamless communication between devices to enhance home automation experience.

Clearparking Arduino, Python, Go, C#, JavaScript

<https://youtu.be/48IGrkGJwJY>

Crafted Clearparking, an innovative IoT parking management system integrating sensors and electronics for automation, multiple interconnected microservices performing specialized tasks, an API service for seamless communication, and a dedicated React user interface for intuitive interaction.

Fingerprint-IoT Python, Arduino, React.js

<https://youtu.be/sckgonvsglo>

Build a simplest and multifunctional IoT made Arduino based Fingerprint & RFID door access lock & logger system that is easily embeddable to a Smart Home IoT network