

Hüseyin Fahri Uzun

Full-Stack Software Developer

Experienced in developing high-performance applications, automation solutions, and scalable systems. Specialized in full-stack development, system administration, and self-hosted enterprise solutions.

Passionate about building secure, scalable, and automated solutions to optimize business operations.

Professional Experience

Freelance Full-Stack Developer | Ongoing
Developing custom software, automation solutions, and high-security business applications for various industries, including HR, supply chain, and industrial automation.

13 years of professional experience in an aluminum production facility and within the holding company

Education & Certifications

Self-Taught Developer with hands-on expertise in enterprise solutions, system architecture, and automation. Always learning new technologies, modules, frameworks and operating systems. Love to read documentations and try new/different logics to improve myself in the area.

I have a bachelor degree in Business Administrations/Istanbul Bilgi University.

Year of Birth: 1987

Programming Languages

Python 9/10

- Background and cronjob automations
- Bridge scripts between apps and SQL databases
- Reports, automations and data transfer from/to PLC
- Reports and automations for access control systems
- Automations and data analyzes for HR, Finance, Account and ERP softwares
- Automations and data analyzes for special needs

- Generating Excel reports from SQL databases or transfer from/to Excel and SQL databases
- Backend API services
- Machine Learning
- Browser automations

Javascript 8/10

- React, React Native and Electron apps
- Backend API services
- Express Server, NextJS backend server side rendered apps
- Apps will let Customers or Suppliers securely access

Platforms

React 9/10

- Server side rendered web apps
- High scalability
- High security backends
- Code safety

React Native 9/10

- Equal UI/UX apps for iOS and Android platforms
- Easy to integrate custom SQL databases or ERP softwares
- Ability to use device peripherals

Electron 8/10

- OS independent desktop apps
- Ability to integrate custom SQL databases or ERP softwares

NextJS 9/10

- Server side rendered apps
- Code splitting
- Custom APIs

NestJS 7/10

- Kubernetes
- Backend with independent modules and services
- Ability to split modules, services and databases to different servers
- DTO (data transfer objects)
- SQL injection protections
- High database performance

Express Server 9/10

- High speed and secure backends/APIs
- Easy to integrate with apps
- Easily bridge custom softwares

Docker 8/10

- Easily and quickly set and run environment
- Docker with Kubernetes
- OS independent

Databases

- Bridge apps with different databases
- Ability to work with different database types in order to provide best solution
- High scalability
- Ability to use multiple databases in need of more performance
- OS independent
- Custom integrations for all databases

POSTGRESQL 10/10

- Live Indexin
- Python automation scripts

MSSQL 9/10

- Improvements to existing databases
- Bridge apps and automations

MYSQL 9/10

- Upgrading from Version 5 to 8

- Improvements to existing databases

MONGODB 8/10

- High speed of file sharing
- Secure authentication
- Temporary Collections to help main databases

REDIS 7/10

- Very fast data transfers
- Configurations
- Ability to work with multiple instances simultaneously

Operating Systems

UNIX 10/10

- Debian and RPM based Linux Server Operating Systems
- Minimal docker linux images
- Configuration, maintenances, operations..UNIX bazlı işletim

macOS 10/10

- macOS (and other POSIXs) configuration, maintenances, operations..
- App development, publishing, licensing, updating on xCode

Windows Server 7/10

- Windows Server configurations, maintenances, operations..
- IIS management

Services/Apps

SIEM (Wazuh)

- Self hosted siem solution
- Kibana based graphs and reports

RMM

- Self hosted RMM solution for PC, macOS and Linux
- Python automations for bulk processes
- Alerts
- Centralized rule based installations

Nextcloud

- Self hosted cloud solution
- User and group based permissions for Webdav, Carddav and Caldav
- Secure remote and local sharing

Zulip

- Self hosted team/organization communication service
- Secure guest access
- User and group based channels
- Python based bots with prompts to fetch data from other services

Custom Access Protocol

- Centralized and integrated AP
- Fully automatic user account creation/deletion process
- Hierarchy based authentication and permission management

Full Scale HR Solution

- Multi purpose HR management
- Hierarchy based user access and permissions
- Fully automated work flows:
 - payroll
 - document sharing
 - career management
 - reports
 - trainings
 - and much more modules..

Full Scale Supply Chain Solution

- Multi purpose Supply Chain solution
- Hierarchy based request management

- Supplier pages
- Warehouse workflows
- Invoice management and integration
- and much more modules...

Custom Multi Based Mobile App for Management

- Integrated with all platforms, apps and services
- Secure and fast access

Full Scale PDKS Solution

- Custom made chips and boards
- Card, NFC, mobile phone and watch access
- Detailed reports and dashboards
- Remotely lock/unlock doors

Virtualmin

- Self hosted mail and virtual server management service

Custom Backup Solution

- Rsync based user and server backup solution

OpnSense

- Self hosted firewall solution

Wiki.js

- Self hosted document management service

Searx

- Self hosted multi resource secure search engine

Gitea

- Self hosted version control service

Custom Software

- Built and may build all kind of custom softwares, solutions and automations both for

industrial and management requirements.

- Runs on all kind of devices and operating systems
- Always secure always fast
- Only modern and best technologies
- Multi server management

Contact Information

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GitHub/GitLab: [GitHub](#) (99% of my projects are in the private repo)

LinkedIn: [LinkedIn](#)