

Furkan Yıldız

SR. SOFTWARE DEVELOPER

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EXPERIENCES

SR. FULL STACK DEVELOPER

FORSICO - Project Based (2024 - 2026)

- System and User prompts generation for Local AI Language Models
- Experience on Azure-AWS infrastructures
- Model improvement with Fine-Tuning/RAG methods
- Developing full stack applications with customized AI Language models

SR. FULL STACK DEVELOPER / TEAM LEAD START → 2026

PAPILON DEFENSE (June 2021 - Now)

- Building compact verification structures using Biometric Data by AI
- Know Your Customer Systems: Flask-React-Android)
- Video Call and Chat Applications via WebSocket and SocketIO
- Experience for OpenCv, MLKit, Google and Huawei Vision etc. packages
- Building 4 public and private JitPack SDK modules to mobile applications
- Supply Code security using obfuscate operations
- Full Stack Local LLM Projects: OnlineInterviewEngine, AutoCREngine etc.
- Modern local storage methods: RoomDb, SQLite and SharedPreferences
- Using Modern Api Communication Tools: Retrofit, Javax etc.
- Experience on Design Patterns: Singleton, Abstract, NullObject etc.

JAVASCRIPT DEVELOPER

VAIROSOFT (2019 - 2021)

- Based on integrated APIs for partner sites with data from dom
- Development and testing relevant methods
- I had the chance to review hundreds of different sites written in different languages and frameworks

ANDROID MOBILE DEVELOPER

GTRSOFT (2018 - 2019)

- Bilateral connection setup with .Net API backend
- I learned to work with a common database in serverless structure
- Development on Native Platform applications for mobile
- Use of SOAP structure

INTERN JAVASCRIPT DEVELOPER

KALE YAZILIM

- Created my base on this subject with some projects
- Using Pure Javascript and React JS

EDUCATION

KIRIKKALE UNIVERSITY

Bachelor of Computer Engineering

JULY 2020

LANGUAGES

English: Level B2

PERSONAL

I try to keep up with the modern software world, develop innovative applications, follow innovations and explain my experiences on various platforms.

SKILLS

- JAVASCRIPT, REACT, JQUERY
- PYTHON, FLASK
- GIT, AGILE, VCS, CI/CD Pipelines
- Local LLM, RAG/DRAG-Fine Tuning, AI Agents
- ANDROID, JAVA (App and SDK Building)
- ORM, SQLAlchemy, PostgreSQL, MongoDB
- NFC Tech., JitPack Modulation, Jetpack
- Service Bus, Docker

CERTIFICATIONS

- Personalized GPTs (BTK) - 2024
- JAVA Development (TBD) - 2018
- Linux System Administration (TBD) - 2017
- PYTHON 401 (Turkcell) - 2023
- IZTECH Robotic: Contestant (Degree) - 2018
- IZTECH Robotic: Contestant - 2017
- MarmaraMIG: Artificial Intelligence - 2018
- PYTHON (HackerRank) - 2022
- GIT Version Control System (BTK) - 2023

TRAININGS GIVEN (EDUCATOR)

- PYTHON (Hacettepe Uni. ACM Club) 22-23-24
- ANDROID JAVA (KKU) 18
- GNU/LINUX (KKU) 18

ARTICLES

- **SCI Based:**
aipajournal.com/index.php/pub/issue/view/2
- **International:**
link.springer.com/article/10.1007/s11227-025-07170-5
- **Congress Paper:**
https://www.ubakysymposium.org/kitaplar/UBA_K_25_Tammetin_kitap_.pdf

REFERENCES

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