Mohammad AliGhorbani

Programmer

For the last 4 years, i worked as a Software Engineer and a back-end developer (2 years each), focusing on C/C++ (Qt, Tensorfow, libtorch, CUDA), Python (Djano, tensorfow, PyTorch), JS (express.js, react.js), PHP (Wordpress), HTML/CSS. I have implemented software for image/voice processing, machine vision, developed high performance low-level system applications (Intel CPUs and Nvidia GPUs), developed Enterprise native desktop applications for Windows and Linux, I've also implemented software for ARM based MCU's in some projects and I've done some web applications with Wordpress(developing PHP plugins), Django, Express.js and React.js

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WORK EXPERIENCE

Software Engineer
ARKA Tech

09/2019 - 09/2021   *Tehran, Iran*

ARKA Teck is a medium size company active in Artificial Intelligence , Robotics and Software Engineering

Achievements/Tasks

- Developing enterprise desktop native apps with C++ Qt5.
- Boosting Speed and Performance for CNN and ML projects
- Developing low level scripts for Nvidia GPUs (CUDA) and Intel CPUs(IPP,MKL).
- Implementing image/Voice processing algorithms
- Developing web applications with Django and express.js and React.js.
- Working with PostgreSQL and osgeo plugin

Contact : AmirHossein Abbasi Fashami - abbasi.fashami@gmail.com

Back-End Developer
TPulse

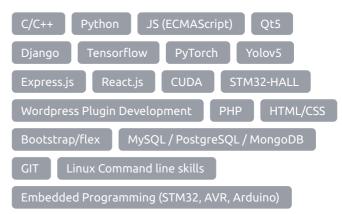*10/2017 - 09/2019*   *Tehran, Iran*

TPulse was a team of web developers located in The IT Office of Amirkabir University of Technology and then moved to AZARAKHSH accelerator.

Achievements/Tasks

- Developing PHP Plugins for Wordpress web applications.
- Participation in database design.
- Participation in front-end development with HTML/CSS, Bootstrap, flex and pure.js.
- Developing CRUD apps with Express.js.

Contact : Mohammad Darbanbaran - darbanhandrew@gmail.com

EDUCATION

MSc in ECE
KN Toosi University of Technology

09/2020 - 06/2022   *Tehran, Iran*

BSc in EE
Amirkabir University of Technology

10/2015 - 09/2020   *Tehran, Iran*

SKILLS

`C/C++` `Python` `JS (ECMAScript)` `Qt5` `Django` `Tensorflow` `PyTorch` `Yolov5` `Express.js` `React.js` `CUDA` `STM32-HALL` `Wordpress Plugin Development` `PHP` `HTML/CSS` `Bootstrap/flex` `MySQL / PostgreSQL / MongoDB` `GIT` `Linux Command line skills` `Embedded Programming (STM32, AVR, Arduino)`

PERSONAL PROJECTS

Levitation Controller (01/2019 - 06/2019)
- My BSc Project
- github.com/maghorbani/LevController

MHCovid Website (09/2020 - 10/2020)
- A web application with Django and React as a presentation software for a deep learning research on detecting COVID-19 Infection using X-Ray image from chest
- github.com/MHCovid/mhcovidWebsite

LANGUAGES

Persian
Native or Bilingual Proficiency

English
Professional Working Proficiency

INTERESTS

`Software Engineering` `Linux kernel Development` `Embedded Linux Development` `AI - Machine learning/Deep learning` `Data Science`