Nazar Babii

Full-Stack Developer, Cloud Solutions & Embedded Systems Engineer with AI Integration Expertise

As a versatile Full-Stack Developer, Cloud Solutions & Embedded Systems Engineer with AI integration expertise, I thrive on bridging the gap between hardware and software. With a proven track record in developing cutting-edge solutions using FPGA, STM32, React, AWS, and OpenAI, I am passionate about driving innovation and delivering robust, scalable applications. Let's connect to transform complex challenges into seamless, high-performance technologies.

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WORK EXPERIENCE

Firmware Engineer
Conrads Consult & Engineering

02/2024 - Present   *Rotenberg an der Fulda, Germany*

Founded in 2010, Conrads Consult & Engineering is a trusted advisor with extensive experience.

Achievements/Tasks

- Customization FPGA of USRP B2xx board
- Power Board Firmware for controlling Smart Battery
- Firmware Development for automotive tiny temperature sensor
- Kria26 Project

Contact : Werner Conrads - Werner.conrads@conrads-engineering.com

Senior Freelancer
Upwork

02/2024 - Present   *Lviv Oblast, Ukraine,*

Achievements/Tasks

- STM32 Development board for Camera Imaging and Camera Stabilization
- LangChain on the Cloud: Deploying a Multi-Document Chatbot on AWS

EDUCATION

Bachelor of Applied Science (BASc)
Lviv Polytechnic National University

09/2018 - 09/2021   *Lviv, Ukraine*

Courses

- Computer Engineering

Master of Computer Applications (MCA)
Lviv Polytechnic National University

09/2021 - 12/2023   *Lviv, Ukraine*

Courses

- Computer Engineering

SKILLS

Hardware Engineering: FPGA (VHDL/Verilog), STM32, Microchip PIC, ESP Microcontrollers, Kria26 SoCs

Embedded Systems: Embedded C/C++, RTOS, Peripheral Interface Development, IoT Solutions

Software Development: Full-Stack (React.js, Next.js, Node.js), Cross-Platform Mobile (React-Native), Backend (Node.js, Express.js), Frontend (HTML, CSS, JS, TS)

Cloud Computing: AWS(EC2, S3, Lambda, RDS, IoT Core), Cloud Solution Architecture and Scaling of Cloud Applications

AI and ML: OpenAI API Integration, Langchain for AI model, NLP, ML Model

Tools and Frameworks: Version Control (Git, GitHub), CI/CD, Pipelines Docker for Containerization, Webpack, Babel for Module Bundling and Transpiling, RESTful API Development

Languages: C, C++, Python, JS, TS, Bash, Shell

PERSONAL PROJECTS

NewsTradePro platform (12/2023 - 02/2024)
- Developed a site, mobile app, and desktop app.

LANGUAGES

English
Full Professional Proficiency

Russian
Native or Bilingual Proficiency

INTERESTS

Football   Coding