Nikolai Varankine

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I search for Java and JavaFX contracts. My experience there comes from 2004.

I can work out complex projects requiring rich expertise in software development and surrounding areas. See my LinkedIn profile for more details.

I can work remotely only, from GMT+3 time zone. Preferred type of contract is B2B, in time-and-materials mode, with no VAT. Relocation outside Belarus is negotiable but isn't possible in short term.

Work Experience (excerpt)

Software Developer
Scand Ltd. - Minsk
October 2021 to January 2023

- Spring family of API, Hibernate, JPA
- Vaadin UI, Thymeleaf template API, Spring EL
- AWS: Cognito, Lambda, data storages, ...
- Python: SQLAlchemy, Django, Telegram (aiogram, payments), DICOM (parsing with pydicom), etc.
- DevOps: Postfix + MySQL setup, Docker CLI and Desktop for Windows/WSL2, embedded Kubernetes• Redis, Neo4j
- Machine Learning research and experiments: YOLO, PyTorch, NumPy, etc.

IoT Software Developer
VARANKIN - Minsk
January 2021 to October 2021

Introduction to Espressif ESP32-S2 MCU.

- General C and C++ programming plus ESP-IDF API
- Power saving modes
- Low level I/O
- Processing of data from sensors
- AGI functions test

Java Software Developer
SamanTree Medical SA, Switzerland; via Altabel Group http://altabel.com/
November 2017 to March- 2019

- Development of human interface for medical equipment (Histolog™ Scanner and Histolog™ Viewer), a Java 8 to 11 project:
- Touch screen GUI on JavaFX
- Real time loading and preprocessing of scanner image stream
- USB I/O for image and metadata
- Sorting and filtering of database records using infinite predicates

Education

PhD in Computer Science
MIEE – Zelenograd (Moscow), Russia
November 1990 to April 1994

Portfolio (JavaFX only)

- Histolog™ Scanner and Viewer (medical equipment)
- Thinker (multi-threaded math simulator)

Skills

- Java
- JavaFX
- Neo4j
- C++
- Python
- SQL

Languages

- English - Fluent
- Russian - Expert
- German - Entschuldigung, ich spreche kein Deutsch.

Links

- Personal Web Site
- LinkedIn

Awards

My Hall of Fame
https://varankin.com/?page=about&lang=en

Certifications and Licenses

Better Programmer online test
July 2011

92%

Publications

PhD Thesis
April 1994
Development of adaptive interactive framework
for custom CAD systems

Super chip from Espressif: ESP32-S2
October 2021
I've put together my LinkedIn notes on the ESP32-S2.