KÁROLY LÓNICH

Full-Stack Web Developer

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Software developer with electrical engineer background in industrial automation, experience in **JavaScript/React TypeScript/Angular Node.js/Express.js SQL/MonogDB** and seeking an entry-level software engineer position. Skilled in international projects and at quickly aquiring any new technology. Committed to prioritize my employer's best interests in my daily work and in front of clients.

💼 WORK EXPERIENCES

Full-Stack Developer
Freelancer | 2022 - Present

Taking the Full-Stack Web Development Program at CareerFoundry.

- Designed and deployed a fullstack application. MongoDB/NodeJS/ExpressJS on the backend. React/Redux and Angular/TypeScript on the frontend.
- Built a serverless, progressive web application (PWA) with React using a test-driven development (TDD) technique. Serverless functions are deployed on AWS lambda.
- Created a chat app for mobile devices using React Native. The app provides users with a chat interface and options to share images and location data.

Electrical and Control Senior Engineer
Sherbiny Engineering | March 2018 - February 2022

Designed Electrical Control Panels and specified instrumentation mainly for Oil & Gas and Petrochemical industry for the Saudi Arabian market.

- Commissioning support in Saudi Arabia.

Gas Turbine Controls Project Engineer
Baker & Hughs | June 2012 - March 2018

Led international projects of Gas turbine control system upgrades and participated in couple of DCS contors upgrades in Energy and Oil & Gas industry around the world (with customers like Chevron, Linde, Sonatrach, Sonelgaz, EDF, Exxon, etc...)

- Migrated Mark IV and Mark V control systems to Mark VIe (GE latest technology). Integrated external systems like Excitation, Generator Control, Fire Protection Panel.
- Designed HMI and network topologies. Configured Programable Logic Controllers.
- Created Visual Basic macros for large data handling in Microsoft Excel.
- Led site surveys, studys, data collections and design review meetings with customers. Managed technical team during project execution.
- Continuously communicated with customer's stakeholders and with our international engineering team.
- Prepared and led the customer witnessed Factory Acceptance tests and site commissioning support.

Control Cabinet Hardware Designer
GE Oil & Gas | December 2009 - June 2012

Designed Local Control Panels of Mark VIe Gas Turbine Control Systems, Bently Nevada Vibration Monitoring System packages and automation systems following the related international and local standards. (AutoCAD, AutoCAD Electrical, Autodesk Invento, EPLAN)

Manufacturing Support Electrical Engineer
GE Energy | June 2007 - November 2009

Supported the Areoderivative Gas Turbine power generation package assemblies.

Maintenance Electrical/Automation Engineer
Samsung | October 2003 - May 2007

Installed new equipment and improved the machines on the production line. Made machine trouble analysis and solved the systematical machine breakdowns.

📋 PROJECTS

Personal portfolio projects
Personal

I built a couple of projects to demonstrate my technical knowledge. I created smartcoder.dev to present my portfolio.

Meetandworkshop
Personal

A responsive website created in wordpress for a local co-working office.

Statikusvac
Personal

A responsive website created in wordpress for my wife to promote her services.

TrueNAS SCALE Server
Personal

Installed a truenas server in my basement to deploy my personal cloud/data storage, media server and to experiment with other tools/services/containers.

🔧 SKILLS

Technical

JavaScript/React/Redux

React Native

HTML5/CSS/SASS

Node.js/Express.js

MongoDB/SQL

Git

Linux

Professional

Effective communication

Team player

Strong problem solver

Adaptability

Decision-making

Technology literacy

🎓 EDUCATION

Full-Stack Web Development Program
CareerFoundry
2022 - present

BSc in Electrical Engineering
Budapest Polytechnic
2000 - 2003

🔤 LANGUAGES

English (Professional)

Hungarian (Native)

☺ INTERESTS

Hiking

Running