

# KÁROLY LÓNICH

Full-Stack Web Developer

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@KarolyLonich



Certified software developer with 20 years electrical engineering background in industrial automation. I have experience in modern full-stack programming languages. I'm skilled in international projects, designing and commissioning complex automation systems and full-stack applications that makes me able to join any kind of team and contribute to the development of innovative solutions.

## WEB DEVELOPMENT PROJECTS

### Myflix

<https://myflix.smartcoder.dev>, <https://myflixapi.smartcoder.dev>

A full-fledged full-stack web application. On the frontend with a beautiful responsive webpage with routing, rich interactions, several interface views. It was created with React and Redux for state management. The backend a REST API will provide users with access to information. Users will be able to sign up, update their personal information and create a list of their favorite movies. It was created with Node, Express and MongoDB, using modern api structure. Deployed in a 3 tier architecture on AWS cloud, using Automatic Load Balancer, Auto Scaling Group and AWS Lambda function.

### Meet App

<https://meet.smartcoder.dev>

It shows upcoming full-stack meetups around the world. A serverless, progressive web application (PWA) with React using a test-driven development (TDD) technique. The application uses the Google Calendar API and Serverless functions (AWS lambda) for the authorization server instead of using a traditional server to fetch the events.

## PREVIOUS WORK EXPERIENCES

### Freelancer

Self-employed | February 2022 - present

- Finished CareerFoundry's Full-Stack Web Development course.
- Designed and deployed static websites for small businesses.

### 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 in 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 in Energy and Oil & Gas industry around the world

- Upgraded Gas Turbine control softwares. Led site surveys, studies and design review meetings
- Created Visual Basic macros for large data handling in Microsoft Excel to reduce the project execution time significantly.
- Continuously communicated with customer's stakeholders and with our international engineering team. Prepared and led the customer witnessed Factory Acceptance tests. My ability to effectively lead and communicate during these processes resulted in positive feedback from the customer which was a measurable value of our engineering team.
- Mentored new team members and I have seen them develop and take on new responsibilities, leading to increased productivity, improved team morale, and ultimately, successful project outcomes

### Control Cabinet Hardware Designer

GE Oil & Gas | December 2009 - June 2012

### Manufacturing Support Electrical Engineer

GE Energy | June 2007 - November 2009

### Maintenance Electrical/Automation Engineer

Samsung | October 2003 - May 2007

## SKILLS

### Technical

TypeScript, Angular  
Node.js, Express.js  
MongoDB, SQL  
AWS Lambda, ASG, ALB, EC2, IAM, VPC, S3  
JavaScript, React, Redux  
React Native  
HTML5/CSS/SASS  
Bootstrap  
Git, Linux  
Test Driven Development  
Progressive Web Applications

### Professional

Team player  
Strong problem solver  
Technology literacy  
Mentoring

## EDUCATION

[Cloud Computing for Web Devs](#)

CareerFoundry  
2023

[Full-Stack Web Development](#)

CareerFoundry  
2022 - 2023

BSc in Electrical Engineering  
Budapest Polytechnic  
2000 - 2003

## LANGUAGES

English (Professional)  
Hungarian (Native)



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