



Gabriel Danaila

WEB DEVELOPER / MECHATRONICS ENGINEER

gabriel.danaila.tech@gmail.com

Tel: 0733.665.934

www.gabrieldanaila.com

www.github.com/Gabriel-Danaila

WORK EXPERIENCE

Web Developer

Feb 2022 - Present

- Graduate Salesforce Commerce Cloud Developer training SFCC (feb 2024)
- Completed Web Development Bootcamp by Dr. Angela Yu's (Jan 2023) and WDS Bootcamp (sept. 2022).
- Proficient in HTML5, CSS, JavaScript, Bootstrap, VSCode.
- Familiar with the React framework and TypeScript.
- Create responsive designs using Figma and Visual Studio Code.
- Manage version control using GitHub.
- Consistently prioritise clean, modular and maintainable code to ensure optimal website performance.
- Maintain a positive and collaborative environment with all team members.
- Stay update of the latest advancements and technologies in the field.
- Well-versed in web accessibility best practices and usability principles, continuously emphasising the importance of web best practices within the development team.
- With a strong background in troubleshooting and a natural inclination towards problem-solving, I leverage my expertise to address technical challenges promptly consistently ensuring the quality of my work.

Mechatronics Engineer - USA, TN

Feb 2007 - Feb 2019

Nissan - Battery Manufacturing Plant for Electric Vehicles, Smyrna , TN

Leviton - Warehouse and Distribution center Facilities, Lebanon, TN

Cinram - Assembly Line for Warner Bros Media , La Vergne, TN

- Proficiency in operating Mitsubishi and Yamaha industrial robots at the Nissan Battery Manufacturing Plant for Electric Vehicles
- Responsible for maintaining functionality of the equipment assigned using Omron Programmable Logic Controllers software and program backups for diagnostics and troubleshooting.
- Dedicated to resolving any silent faults using software diagnostic tools.
- Tested PLC changes with tools like LogicPro simulators and performed database additions for program backups, I/O operations, equipment function checks, and circuit change proposals.
- I've actively engaged in the adoption of concepts such as Kaizen implementation, Root Cause Analysis for major Breakdown Reports, Corrective - Preventive - Predictive Maintenance, the 5S methodology designed to foster a quality work environment - Sort, Set in Order, Shine, Standardise, Sustain.
- Architect of the Standard Operation Sheet Procedure (SOS), One Point Lessons for recurring tasks, standard steps and resource identification for efficient task execution.
- Completed training in safety protocols for Lock-out/Tag-out, power tools safety and general maintenance awareness.

HIGHLIGHTS

With 15 years of experience as a Mechatronics Engineer in the USA and three years as a Web Developer, I specialise in industrial programming of robots and PLC controllers, as well as in building reliable websites and applications using the latest technologies available.

SKILLS

- HTML / ISML
- CSS
- JavaScript
- Bootstrap
- React
- Node.js
- GitHub
- Figma
- Visual Studio Code
- Robotics : software / hardware
- PLC Programming Omron controllers
- Programming Vision Systems, Scanners and Hmi
- Hardware verification and tests using software tools
- Strong mechanical / electrical troubleshooting skills
- Continuous learning and improvements

WORK RECOGNITIONS

- Emblem Plate Recognition for Work Ethics - Nissan 2013
- Best Employee Award - 2012
- Perfect Attendance Award for 2011 / 2012

EDUCATION

Science Degree in Engineering (SIA) Technology and Quality Control. University of Galati , 1998 – 2004

- Prioritise work according to schedule and be ready to respond promptly to critical situations that could occur during the manufacturing process.
- Repair equipment using best practice available and follow up with team members for the current condition of the equipment during shifts changes
- Due to my strong work ethic and clean background, I quickly earn the trust of my team members, always prioritising safety as the number one concern in all activities.
- Drawing on my extensive experience, I significantly enhanced workflow efficiency for the battery cell assembly line by identifying bottleneck areas and optimizing the timing and speed of individual stages to minimize downtime.
- While working at Nissan North America, I was selected from a team of 50 maintenance technicians to participate in a battery training program in the United Kingdom in 2016. During this program, I collaborated with Japanese maintenance teams to install new assembly lines and implement a new battery process. Subsequently, I played a key role in adapting and applying these innovations at the Nissan Battery Plant in Smyrna, TN, USA.

TRAINING / CERTIFICATE

- EVBP Mitsubishi and Yamaha Robotics - programming and troubleshooting
- PLC Omron Programming (data types and network links)
- Omron FZ3 Vision - automated Vision systems
- ISO 50001/14001 EnMS General Awareness, Hazard Communication GHS
- RCA training - Root cause analysis to identify potential risks, enabling proactive prevention or mitigation of problems before they arise
- Certified on Walkie rider, Order picker, Reach truck, Sit-down Lift, Scissor Lift
- Power Tool Safety Level A,B,C,D
- AMTEC Maintenance Skill Assessment
- Safety protocols for Lock-out/Tag-out
- NFPA 70E 600 Volts or Less v2 - training Arc Flash
- CAMIC General Awareness - Calibration / Measurement Instrument Control
- American Red Cross Certificate - CPR/AED, First Aid, Blood-borne Pathogens
- Hands-on training with Hitachi / Kyoto Japanese equipment, Dematic CL-100 and Sortech conveyors, Accusort Scanners, Hmi controllers

ABOUT ME

I value family time and show respect and care towards those around me. I strive to maintain a peaceful vibe in all interactions, always bearing in mind that, at our core, we journey through life together.

Recognised as an adaptable team player, I am always eager to learn and teach newly acquired skills.

REFERENCES

Gary Stinnett:

- Manager and Reliability Engineering at AESC (Nissan, Smyrna, TN)
- Tel: 615.414.7425
- gary.stinnett@nissan-usa.com

Tim Henderson:

- Technologist Engineering at AESC (Nissan, Smyrna, TN)
- Tel: 615.796.3185
- tim.henderson@nissan-usa.com

Jennifer Kauffman:

- Human Resources Specialist at Nissan Battery Plant, Smyrna, TN
- Tel: 615.768.3686
- jennifer.kauffman@nissan-usa.com