

Alexis Joseph Ramírez Gutiérrez

Mechatronics Engineer

 mmalexis9@gmail.com

 4422266371

 github.com/Zeneer

 www.linkedin.com/in/AJRG17142698

ABOUT ME

Mechatronics Engineer specializing in software development, with 1 year of experience in backend using Python (mainly Django and Flask). I also work on data science tasks like web scraping and data modeling (Python/R). Currently pursuing a master's in Data Science with a focus on cybersecurity. Open to trainee or junior roles to continue growing in tech. Additional background in electrical systems (2 years).

TECHNICAL SKILLS

- Languages: English (B2)
- Programming Languages: Python (OOP), C, C++, C#, JavaScript, PHP
- Backend & Web Development: Django, Flask, Node.js, HTML, CSS, Bootstrap
- Frontend Frameworks: React
- Databases: MySQL, MongoDB
- Version Control: Git, GitHub
- Data Science & Analysis: R, RStudio, Pandas, Matplotlib, Power BI
- API & Testing Tools: Postman
- Cybersecurity (Basic): Linux hardening, Wireshark, Nmap, basic networking, virtual machines, user privilege management
- Methodologies: Agile (SCRUM), ITIL
- Operating Systems: Linux, Windows, macOS
- Tools & Software: AutoCAD, SolidWorks, Cisco Packet Tracer, FeatureCAM, LabVIEW, Proteus, Multisim, Office Suite
- Other Technical Knowledge (extra): PLCs, industrial networks, robotics, electrical protections, medium/high voltage systems

WORK EXPERIENCE

IT Supervisor and Electrical Testing Support

SIACC Electro · Full-time

Jun 2024 - Dec 2024 | Querétaro, México

- Diagnosed and troubleshoot hardware and software issues, optimizing system performance and minimizing downtime.
- Performed preventive and corrective maintenance of computer systems and internal networks.
- Designed and developed electrical and electronic circuits, ensuring efficiency and compliance with industry standards.
- Created and edited electrical diagrams and layouts using AutoCAD to improve system integration.
- Configured and maintained Human-Machine Interfaces (HMIs), ensuring seamless interaction between operators and systems.
- Applied basic cybersecurity principles to secure internal networks and ensure system integrity.

QA Engineer

Openpay · Temporary Contract

Jan 2024 - Mar 2024 | Querétaro, México

- Conducted API testing with POSTMAN, validating functionality and integration with e-commerce platforms.
- Configured and integrated websites into production environments, ensuring compatibility with API specifications.
- Collaborated with cross-functional teams to implement ISO 27001 security standards for API and web-based systems.
- Worked within SCRUM and ITIL methodologies, contributing to agile software development and issue tracking.
- Utilized database management systems to ensure data integrity and security during integrations.

Full-stack Developer

Waifu Tech · Freelance

Sept 2023 - Dec 2023 | Remote

- Developed and maintained web applications using Python, PHP, HTML, CSS, and JavaScript, focusing on backend and frontend integration.
- Performed data scraping and analysis for the construction of a university database, presenting results in visually engaging formats using R Studio and Matplotlib.
- Supported the maintenance and optimization of computer systems and applications, improving overall user experience and system efficiency.

IT Support Technician

Decathlon México · Temporary Contract

Jul 2023 - Sept 2023 | Querétaro, México

- Managed e-commerce platforms, ensuring seamless operation and troubleshooting any technical issues.
- Provided technical support for computer systems and equipment, improving workflow efficiency.
- Ensured the security of company systems by conducting routine checks and updates.

Technical Support Intern (Lines and Substations)

Comisión Federal de Electricidad · Internship Contract

Jan 2022 - Feb 2023 | Querétaro, México

- Designed electrical substation layouts using AutoCAD, streamlining the planning and installation of medium/high-voltage systems.
- Conducted electrical testing and maintenance on transformers, circuit breakers, and other primary substation equipment.
- Collaborated with control, communications, and protection departments to ensure safe and efficient operation of electrical infrastructure.
- Worked with SQL databases to manage equipment data and optimize system performance.
- Configured Cisco routers and switches to enhance network communication and support remote operations.

EDUCATION

Postgraduate in Data Science (In progress)

Instituto Tecnológico de Querétaro (ITQ), Querétaro, México

Currently pursuing a postgraduate degree focused on data analysis, machine learning, and cybersecurity.

B.S. in Mechatronics Engineering (Degree awarded 2024)

Instituto Tecnológico de Querétaro (ITQ), Querétaro, México

Graduated as a Mechatronics Engineer with multidisciplinary training in electronics, programming, and automation systems.

COURSES AND CERTIFICATES

- Google Cloud: Fundamentals, Infrastructure, Networks and Security, Data, ML and AI.

PERSONAL INFORMATION

- Date of Birth: 09/08/1999