Alex Soto

Full Stack Developer Engineer

CONTACT

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in LinkedIn

🌐 Portfolio

📍 32258 Jacksonville, FL, USA

CERTIFICATIONS

- Cisco   CCNA
- Microsoft MCSA

SKILLS

- Programming **JavaScript**, **Python**, **C++**, **C**, **C#**, and **Bash**
- HTML, CSS, **Bootstrap**, MongoDB, MySQL, PostgreSQL
- Use of frameworks **Node.js, React.js, Angular.js**
- Conceptual design skills.
- Networking Engineer, IT Specialist
- TCP/IP Sockets, Embedded Systems, Altium Designer, Serial Communications (SPI, I2C, RS232. RS485), PWM, Arduino Due, AVR Microcontrollers(Atm328p), Altium Designer

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LANGUAGES

English   C1
Italian   Fluent
Spanish   Native

EDUCATION

Full Stack Web Developer
Career Foundry | Germany
2023 - 2024

Electronic Engineer
National University of Callao | Peru
2011-2012

Bachelor in Electronic Engineering
National University of Callao | Peru
2005-2009

PROFILE

Versatile web developer engineer, with a robust background in Network Engineering, IT Specialist, and Electronics. Extensive experience collaborating with software teams and actively contributing to software development projects led me to pursue Full-stack Development training. Skilled in developing secure, efficient, and user-centric web applications, optimizing business processes, enhancing customer engagement, and driving revenue growth. My unique perspective from Networking, IT, and Electronics ensures the creation of robust, reliable, scalable applications. Passionate about leveraging technical expertise and problem-solving skills to drive innovation and meet business goals

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WORK EXPERIENCE

Full Stack Web Developer Engineer

CareerFoundry | Germany   2023 - 2024

- **Portfolio Website: Developed a React, Bootstrap, and CSS portfolio**, boosting visitor engagement by 50%
- **Pokémon Web App: Built a Pokémon app with PokeAPI and jQuery,** enhancing user retention by 40%
- **Movie Catalog App**: Created a movie catalog app using **Node.js**, **React**, and **Angular**, improving user satisfaction by 30%
- **Serverless Progressive Web App: Built a React PWA with AWS and Google API**, reducing server costs by 25% and speeding up load times
- **Chat Mobile App: Developed a React Native chat app,** increasing user engagement by 35%

Rail Inspection Portal (RIP) Infrastructure Support | Level 3

Duos Technologies | USA   2022 - Present

- Configured and maintained LAN and servers, optimizing them for **web application hosting**
- Documented network configurations and changes to **support web development and troubleshooting**
- Coordinated preventive maintenance to ensure reliable operation of web services
- Generated performance **reports, identifying improvements for web system efficiency**
- Trained users on **web-based suppor**t procedures for enhanced issue resolution

Project Engineer

Gemmo SPA | Italy   2019 - 2022

- **Modbus API Development: Built a backend Modbus API with C# in .NET Core for a light monitoring web app**, enhancing operational efficiency, monitoring capabilities, and hardware compatibility
- **LoRaWAN API Development: Developed a LoRaWAN backend API with PHP for a gas consumption web app**, providing a scalable, real-time solution for data management and analysis
- Report Automation: **Developed bash scripts to automate web reports**, streamlining data collection and reporting processes, and reducing manual tasks by 70%
- BMS Network Design: **Designed and implemented** scalable network infrastructures for Building Management Systems, **enabling real-time monitoring, web interface integration,** and improved operational efficiency
- System Optimization: Provided VMware vSphere support, reducing system downtime by 30% and improving resource utilization by 25%, **enhancing web application performance**
- Web Security Deployment: Deployed Falcon CrowdStrike Antivirus, reducing malware incidents by 40% and **improving the security of web applications** with minimal disruption
- User Management and Security: Implemented Active Directory and security policies for ENI in Libya, enhancing the management and security of user access to web applications

CCNA Cisco Networking Certification Program
IPCERT | Italy
2021 - 2022

Atmel AVR Microcontrollers Training
Traffitek| Italy
2019 - 2019

MCSA Microsoft Server Certification Program
New Horizons | Peru
2021 - 2022

Coaching & Leadership
Quality Learning Center | Peru
2017 - 2017

Microsoft Power BI
Tecnofor | Peru
2017 - 2017

MCSA Windows Server Certification Program
New Horizons | Peru
2014 -2014

ITIL Information Technology Infrastructure Library
Tecsup | Peru
2013 - 2013

Enterprise Linux Administrator & Engineer
Cibertec | Peru
2012 - 2012

R E F E R E N C E S

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Electronic Engineer

Traffitek S.R.L | Italy   2018 - 2019

Project: Ethernet Interface <u>Design and Development</u> for Central Traffic Light System
- <u>**Designed and developed**</u> an Ethernet interface prototype for centralized traffic light control, **enabling remote monitoring and management**
- **Implemented TCP socket libraries in <u>C++</u> for firmware,** and <u>**built a client-server application in C#**</u>
- **Test Validate hardware and software** for reliability, scalability, and integration with existing systems
Achievements:
- **Web-Based Control:** Real-time traffic light management through a web interface, improving response times
- **Scalability: Integration** with current infrastructure and future web-based smart city projects
- Reliable Communication: **Enhanced stability of <u>web communication</u>** via TCP/IP over Ethernet
- **Data-Driven Optimization:** Facilitated traffic data analysis through web-based tools, optimizing flow
- Secure Protocols: <u>**Implemented secure web communication**</u> protocols, preventing unauthorized access

Project: Synchronized Countdown Traffic Light System with RGB LEDs
- **Developed** a traffic light system using RGB LEDs for improved management
Contributions:
- Circuit & <u>**Firmware**</u>: Designed power circuits and LED drivers, and <u>**developed firmware in C for web-compatible control**</u>
- **Conducted testing and created documentation** to support <u>**web-based integration**</u>

IT Specialist for LATAM and Canada

StcotiaBank S.A.C | Peru   2016 - 2017

High Availability SCOM Server Deployment
- Project: Implemented and deployed a high-availability SCOM Server 2012 for global monitoring, achieving high IT Manager satisfaction and increasing SLA to 95%
- ATM Monitoring: Set up SCOM Server for Scotiabank's ATMs, enhancing monitoring capabilities and ensuring reliable web-based management

Network Engineer

Clinica Medica Cayeteno Heredia | Peru   2012 - 2016

- Web Infrastructure & Systems Management
- **Designed and maintained a network for** 1000+ users, o**ptimizing web application performance**
- Installed and configured MS and Linux **servers** (IIS, SQL, Apache) **for web services**
- **Developed bash scripts** to <u>automate server tasks and routine processes</u>
- Enhanced network availability by <u>implementing robust infrastructure solutions and automation</u>, resulting in a more reliable and <u>**efficient environment for web applications and services**</u>

IT Support Level 3

Fortel Contact Center BPO | Peru   2009 - 2012

- <u>**Web Infrastructure Management**</u>
- Network & Server Setup: Designed and managed networks; configured **MS and Linux servers** (<u>**IIS, SQL, MySQL, Apache**</u>) **for web applications**
- <u>**Developed bash scripts**</u> to automate server tasks and enhance high availability
- Platform Integration: Supported Inconcert Call Center, ensuring smooth web integration and reliable operation