DAVID MORA
SOFTWARE DEVELOPMENT ENGINEER

mail@davidmora.net

360-518-9086

Detailed work history:
davidmora.dev

SOFTWARE DEVELOPMENT ENGINEER SUMMARY

- Developer with more than 20 years of experience producing high-quality front and back end software systems.
- Strong experience in the design and development of systems software using .NET, C++/Java, systems integration, firmware and network applications.
- Strong Linux and Windows technology experience. Designed and developed systems used in agriculture, robotics, desktop, business, and SaaS applications.

WORK EXPERIENCE

BIAMP SYSTEMS, LLC
LEAD ARCHITECT
April 2021

- Integrated with a team developing a new project.
- Developed software engineering processes for the team and managed the build and deliverables.
- Led and mentored other developers.
- Lead the design of the new product's architecture.

ANALYTICSWARE, INC.
SENIOR SOFTWARE ENGINEER
July 2015

- Developed a large Linux-based headless system in C++ with high-speed concurrent capabilities for data capture and delivery used by casinos to track chip usage patterns and curb fraud.
- Designed a remote data acquisition system for large mining equipment using headless Linux, C++, IoT, and Bluetooth.
- Developed an agent-based and containerized (Docker) multiple video stream capture and analysis system in Python to process video for event and object detection leveraging Google's Cloud Platform and Machine Learning technologies.

CARDSMITH
SENIOR SOFTWARE ENGINEER
November 2013

- Designed and managed the development, from the founder's vision to release, of the first version of the company's web-based SaaS application based on .NET technologies and Azure services.

US DIGITAL
SENIOR SOFTWARE ENGINEER
February 2010

- Several projects, including automation of product tests using robotics fronted by custom .NET applications. USB drivers in Windows and Linux for some of the company's devices.
- Designed and implemented a camera stabilization system for drones based on the ARM Cortex processor using a PIC coprocessor for motor control.

IN4MATIC SERVICES, INC.
SENIOR SOFTWARE ENGINEER/OWNER
June 2006

- Designed and developed several iterations of .NET/Windows-based pump control and dashboard systems for agricultural irrigation.
- Developed a .NET-based judicial case management system for use by several municipalities on the East Coast.

EDUCATION

INSTITUTO TECNOLÓGICO DE COSTA RICA
ELECTRICAL ENGINEERING
Completion through junior level

CHEMEKETA COMMUNITY COLLEGE
ASSOCIATE OF SCIENCE IN COMPUTER SCIENCE

OREGON STATE UNIVERSITY
COMPUTER SCIENCE
Currently pursuing a BS degree; senior standing

SKILLS

.NET/C#	Embedded Systems	Systems Architecture
C/C++	Microprocessor Systems	Software development lifecycle
Python/Java	Digital Design	Agile methods
Front end/Backend	IoT/Data Acquisition	Cross-platform development
Cloud Technologies	Diagnostics/Troubleshooting	Leadership
Systems integration		Mentoring
Network programming and protocols		