

Jorge Monasterio

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Summary

Highly productive software developer with more than 30+ years of programming experience and excellent systems architecture background.

Expertise

- New product development. Overcome fuzzy requirements and goals.
- Adding value to software products and teams very quickly.
- Saving out-of-control/failing software projects.

Industries

- Document capture: high-speed scanners and image processing.
- Data Acquisition and Industrial Automation
- Integrating document management systems: custom import and export scripting.

Technical Skills

- C#/C/C++ (Windows and Linux)
- Postgres, SqlServer, mySQL, Sqlite
- ActiveDirectory/LDAP
- Recent Interests: Elm, F#, Haskell
- Mobile: IOS and Windows Phone
- User Interface Design / Javascript
- HTML /JS / PHP / ASP.NET / MVC.NET
- Perl / Awk / Bash
- Kubernetes/Docker
- Custom copy protection
- COM /Active X / MFC / ATL
- TCP/IP / SMTP / SNMP / UDP / FTP
- Embedded C / Embedded Linux
- Internet Browser Plugins (IE/Firefox)
- Browser Widgets / Mashups
- Git/ Mercurial

Employment History

Consultant, Software Product Development

5/04 – Present GeoMar, LLC (Self-employed)

Partial Customer List:

- **ThinkIQ.COM** – Postgres DB design and optimization for time series data. Java, Groovy, PHP, Kubernetes, Docker
- **Ephesoft** – Java web application development.
- **Nikkei 225 Company** – Windows document Scanning Applications in C# / Winforms. Scan applications for embedded hardware.
- **Nasdaq 100 Company** – SAAS application in C# / MVC.NET / SQLServer

- **TigerConnect**– ActiveDirectory synchronization tools. Windows C# UI application.
- **Kofax Image Products** - C#, C++, & Java. Image-processing, scanning applications and toolkits
- **SouthRiverTech.com** –C++ code for several ASP.NET products including GroupDrive and Cornerstone (FTP client).
- **OptionEase.com** –C#/ASP.NET financial software on SQL Server database
- **QSC Audio** - C# distributed control system for audio systems.
- **PivX.com** – Development of Windows-based Security tool
- **Emida.net** - Technical due diligence
- **Supplier-info.com** - Development of single-sign-on plugin for Internet Explorer

Manager, Software Engineering

6/02 – 5/04 GoRemote, Inc. (Formerly Axcelerant, Inc, now iPass) Irvine, CA

- Developed software and system to provide managed broadband service and security to Fortune 500 clients.
- Managed team of 11 developers and one tech-writer on various ongoing IT and development projects. Technologies include: Oracle, MySQL, Java, Perl, FileMaker, multiple IIS and Apache websites, etc.
- Team performed development and maintenance on all internal operational systems. Full technical responsibility for all high availability systems in telecommunications environment with extremely high security requirements.

Director, Software Engineering

6/00 – 6/02 CQOS, Inc. Irvine, CA

- Directed teams totaling 3 software managers and 23 software engineers.
- Early employee at startup that developed products for measuring IP quality-of-service. The main customers were Internet service providers and telecommunications companies. My three teams' main efforts were in the data collection, storage (Oracle), and reporting of measurements collected by distributed custom hardware. We were also responsible for web-based presentation (Java/WebLogic) and integration with third-party network management systems.

Manager, Software Development

2/94-6/00 Kofax Image Products Irvine, CA

- Managed teams of up to ten C++, C, and Visual Basic developers creating document management applications and toolkits. Experience working with multi-disciplinary teams. Projects up to 500K lines of mixed language code.
- Consistently assigned to key projects using latest technology. Successfully shipped company's first XML product, first internet-based product, first ActiveX product, and first 32-bit products.
- Technical contributor/architect: COM, ActiveX controls, VB 4/5/6, ASP, HTML, DHTML, IIS, software toolkit design, image scanning and image processing.

- Leader of engineering initiatives such as daily builds, code inspections, coding standards, reuse library, and gate-system. Also managed engineering services group supporting company-wide configuration management.

Consultant

6/91-2/94 Self Employed

- Designed and developed custom Windows software, firmware, and hardware for various customers, mainly related to laser printing and image scanning technologies.
- Specialized in converting ideas into prototypes for pre-funded companies. Extensive technical presentations to venture capitalists, investors, and customers.

Manager, Electrical Engineering Department

2/90-6/91 Star Micronics Long Beach, CA

- Managed hardware team (one analog engineer, one firmware engineer, and one technician) that developed various components for laser printers. I performed the digital electronic design and firmware design on these projects. Startup was acquired by Star Micronics.

Electrical Engineer

10/88-2/90 Texas Instruments, Defense Electronics Systems Dallas, Texas

- Designed hardware and software for FLIR (forwarding looking infra-red) night-vision systems.

Education B.S.E.E., University of Dayton, Ohio, 1988. Graduated Cum Laude.

Fluent in French and Spanish.

Patents US patent #5,488,467: Laser Printer Paper Handling System.

Pending #20080028470 : System and Methods for Vulnerability Detection and Scoring with Threat Assessment