Michael Hillendahl

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Engineer seeking opportunity for growth in **Orange County**

Driven to leverage communication and technical aptitude in collaborative role

Experience	Software/Firmware	Solutions Architect	Scholar
Research & Development	C • C++ • C# • Java	Process Automation	USC Viterbi Alum
Efficiency & Optimization	Python • Perl • HTML • XML	Multi-server Systems	BS Electrical Engr
Construction & Deployment	I2C • SPI • Serial • Parallel	SQL & Repositories	Acoustics & Dig Audio
Testing & Automation	UART • JTAG • GPIO • Drivers	Tech Documentation	Analog Circuit Design

Consulting

Design

Computer Architect, Independent (2012-present)

• Designed, sourced, constructed, initialized, maintained custom PC builds

• Interviewed users, analysed use cases, selected appropriate hardware
• Established budgets, scaled accordingly, made informed sacrifices

Solutions

Architecture

Workflow

Pre-Sales

Go-Live

Support

Solutions Engineer, Consultant at Laserfiche (2018)

• Constructed, deployed digital solutions for enterprise workflow processes

• Researched, developed, launched, supported custom solutions
• Architected, executed, managed enterprise infrastructure software

• Designed, implemented, customized multi-server system architecture
• Configured databases, built repositories, managed service accounts

• Conducted interviews with internal personnel and clients
• Drafted customer-facing statements of work

• Supported deployment of solutions into live production servers
• Promoted solution across Dev, QA, Stage, and Prod environments

• Assisted with daily management of operations of enterprise systems
• Served as subject matter expert for artifact identification and resolution

Development

R & D

Testing

Production

Electronics Engineer, Developer at Marshall Electronics (2010-2017)

• Wrote bare metal embedded C for video and ARM processors

• Defined product spec, maximized cost/time efficiency of design reqs
• Adjusted dev plan or spec as necessary when technical issues arose

• Drafted, amended strategy outlining iterative testing
• Investigated, resolved artifacts before product release

• Managed technical organization of product and firmware releases
• Conducted streamlining of R&D procedures for Production team

About Me

Human - Son, Brother, Partner, Friend
• Musician, Performer, Hiker, Climber, Enthusiast, Tinkerer, Gamer