

# Jeff Gear

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## PROFESSIONAL SUMMARY

Experienced software engineering professional with over 30 years of expertise in software design, development, testing and project management. Proven leadership in architecting large-scale, client-server systems resulting in significant revenue generation.

Adept in multiple programming languages including Java, Python, C, and Apple iOS with deep knowledge of diverse technologies in Unix, Windows, Raspberry Pi, Arduino and embedded platforms.

Dynamic communications personality and strong leadership skills provide a core ability to motivate, influence and lead teams in both professional and non-work settings.

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## TECHNICAL SKILLS

Programming Languages: Java, Python, C, Embedded C, Apple iOS, Unix Scripts  
Operating Systems: Unix, Windows, Apple iOS, Raspberry Pi, Arduino, NXP, STM  
Core Technologies: Client-Server programming using Java JDK, TCP/IP, HTTP, XML, JSON, Apache Tomcat and MySQL

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## EDUCATION

**North Central College, Naperville, IL**  
Bachelor of Science, Computer Science

Member of Collegiate Forensics (speech) Team  
Member of Division III Men's Springboard Diving Team

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## LANGUAGES

- English
  - French (basic)
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## EXPERIENCE

### SEA LEVEL DESIGN

**Alameda, California**

Owner .....2024-Present

- Independent contracting focused on software engineering and consulting services.
- Please visit [www.sealeveldesign.org](http://www.sealeveldesign.org) for more information.

### CADENT

**San Jose, California**

Senior Director, Platform Integration .....2014-2024

Director, Client Services .....2010-2014

Implementation Engineer .....2008-2010

Product Manager .....2007-2008

- Expertise in defining, building, integrating, and managing large-scale and highly complex Unix systems across Cable TV, Broadcast TV, and Digital platforms.
- Proven ability to generate significant Professional Services revenue (100MM+) with major cable television operators in the United States and internationally including Canada, Britain, Ireland and the Netherlands.
- Expert knowledge of Advanced Advertising standards including SCTE, VAST, ESAM, IAB, video-on-demand (VOD), adaptive bitrate (ABR) and IP streaming protocols.

### WIDEORBIT

**San Francisco, California**

Senior Software Engineer .....2006-2007

- Developed and tested new features within the Wideorbit WO Traffic product.

### MARKETRON

**Hailey, Idaho**

Senior Software Engineer .....2002-2006

- Developed and tested new features within the Marketron Traffic product.
- Performed product demonstrations at client sites and broadcast industry trade shows (NAB).

### C&C Power

**Elmhurst, IL**

Software Engineering Consultant .....2000-Present

- Developed and tested microcontroller-based monitoring systems for large-scale data centers and industrial environments.
- Expert knowledge of embedded C programming, TCP/IP, SNMP, Modbus, SPI, CAN BUS, RS-485 and RS-232 interfaces.

### EVISION

**Oakbrook, Illinois**

Director, Product Development .....1999-2002

- Authored engineering requirements for visual search and retrieval technology.

**TRIBUNE COMPANY****Chicago, Illinois**

Director, Advanced Technology, Tribune Corporate Technology ..... 1998-1999  
Director, Advanced Computer Technology, Tribune Broadcasting ..... 1996-1998  
Senior Systems Consultant, Tribune Information Systems ..... 1994-1996

- Designed, developed, tested and deployed web-based TV studio systems to allow remote control of cameras, video disk recorders, video & audio routing switchers, waveform monitors, GPI relays and lighting systems.
- Expert knowledge of television broadcasting operations, video production, MPEG video processing and television device automation.

**INFORMATION RESOURCES****Chicago, Illinois**

Manager, Software Engineering ..... 1993-1994  
Senior Microsystems Analyst..... 1990-1992  
Microsystems Analyst..... 1989-1990

- Developed and tested large-scale data processing systems utilizing PC, Unix and MVS mainframe platforms.

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**HONORS AND AWARD**

- Employee of the Year, Information Resources, 1993
- Outstanding Recognition Award, Information Resources, 1990

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**INTERESTS**

- Tennis, Boating, Biking, Hiking, Sailboat Racing, Hobby Programming

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**NON-PROFESSIONAL ORGANIZATIONS**

- Ballena Bay Yacht Club – Commodore, Vice-Commodore, Social Chair
  - Alameda Yacht Club – Vice Commodore
  - Island Yacht Club – Communications Chair
  - USTA – United States Tennis Association
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