



# SOPHIA BROWN

## Embedded Software Engineer

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📍 Los Angeles

🌐 www.qwikresume.com

### PROFESSIONAL SUMMARY

Dedicated Embedded Software Engineer with 10 years of experience in real-time systems, VxWorks, and Embedded Linux. Proven expertise in software development, debugging, and project execution, delivering high-quality solutions.

### WORK EXPERIENCE

#### Embedded Software Engineer I

📅 Dec / 2018-Ongoing

WidgetWorks Inc.

📍 Denver, CO

1. Designed and implemented a cost library application for audio codecs on MontaVista Linux using C, optimizing MIPS and memory usage.
2. Integrated third-party codecs with VoIP gateway software on DM64x DSP, enhancing functionality.
3. Conducted manual, unit, and sanity testing for integrated features, ensuring high-quality deliverables.
4. Completed training on DSP software architecture for VoIP gateways, enhancing technical expertise.
5. Developed new features for VoIP gateways on VxWorks 6.3, addressing critical performance issues.
6. Provided client support using Siebel software, resolving field issues on TI DSP DM64X.
7. Analyzed customer logs and recreated reported issues in the lab, improving troubleshooting efficiency.

#### Software Developer

📅 Dec / 2014-Dec / 2018

Crescent Moon Design

📍 Portland, OR

1. Collaborated with departments to analyze customer needs and develop custom software applications.
2. Communicated with developers to ensure functionality aligns with project timelines.
3. Assisted in front-end User Interface Design, enhancing user experience.
4. Supported software testing and validation procedures, ensuring quality control.
5. Coordinated product development, addressing architectural challenges effectively.

### EDUCATION

#### Master of Science in Computer Engineering

📅 Dec / 2011 - Dec / 2014

University of California, Berkeley

📍 Seattle, WA

Focused on embedded systems and real-time software development.

### SKILLS

SONET/SDH Expertise



Version Control Systems



Real-Time Operating Systems



Embedded C Programming



Debugging and Troubleshooting



### INTERESTS

📖 Podcasts

📖 Language Learning

📖 Dancing

📖 Cycling

### STRENGTHS

⚙ Integrity

⚙ Intuition

⚙ Leadership

⚙ Listening

### LANGUAGES



English  
80%



Swahili  
80%



Portuguese  
80%

### ACHIEVEMENTS

★ Reduced software integration time by 30% through optimized coding practices.

★ Enhanced system performance by 25% by implementing efficient algorithms.

★ Led a team to successfully deliver a critical software update ahead of schedule.