Cougar Bellinger

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Professional Summary

Software Engineer and technical operations leader with a B.S. in Software Engineering and hands-on experience spanning full-stack application development, live A/V systems engineering, and event production. Proven track record of leading cross-functional engineering teams from concept to launch while managing complex technical infrastructure across 250+ live events. Adept at bridging software architecture with real-world hardware diagnostics, systems integration, and user-focused problem-solving.

Work Experience

Co-Founder and Assistant Executive Producer
Human Impact Productions | Aug 2016 - Present

- Co-founded a production company focused on STEAM education events.
- Assist with budget management and live technical systems.
- Direct live audio production and performance schedules for over 250 events.
- Provide accommodations for event vendors.

Software Engineer Team Lead
Bookaify | Jun 2026 - Aug 2026

- Led two engineering teams building financial tracking features across web and mobile platforms.
- Shipped key analytics tools—including automated tax insights and monthly spending trends—from concept to launch.
- Architected mobile receipt management, creating a seamless, real-time upload and search experience.
- Streamlined app navigation and data sync to eliminate lag and ensure consistent information across screens.

Instructional Technology Student Worker
University of Arizona, College of Education | Sep 2022 - Aug 2025

- Install and maintain instructional technology systems in local classrooms.
- Help students and faculty with issues relating equipment checkouts, poster printing, and technical difficulties.
- Collaborate in a team environment to manage and troubleshoot audio and video systems for live event productions.

Technical Skills

- **Languages & Frameworks:** Python, TypeScript, Java, C/C++, C#, SQL, HTML/CSS, React, Flutter, FastAPI
- **Software & Systems:** Full-Stack Web & Mobile Architecture, API Integration, Agile/Scrum, Technical Documentation, QA & Mobile Testing (iOS/Android)
- **Hardware & Operations:** Live Audio/Video Engineering, Hardware & Systems Diagnostics, Preventative Maintenance, Inventory & Logistics Management, Root-Cause Troubleshooting
- **Platforms & Environments:** macOS, Linux (Debian/WSL), Windows

Education

Bachelor's of Science in Software Engineering

University of Arizona | Graduated May 2026

Honors and Awards

Award for Best UAS Design

Frank L. Broyles 2025, Craig M. Berge Design Day

Award for Excellence in Aerospace System Design

Honeywell 2025, Craig M. Berge Design Day

Outstanding Youth in Philanthropy Award

Association of Fundraising Professionals 2018

Up and Coming Musician of the Year

Tucson's Musicians Museum 2018