

# ROBERT CUTTRISS

San Gabriel, California (Open to Relocation)

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## SUMMARY

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Backend Software Engineer with 3 years of experience specializing in Python, Java, and C++. Proven track record in improving efficiency and accuracy at Amazon Lab126. Actively expanding skill set into front-end technologies with hands-on projects (Available on my GitHub).

## EDUCATION

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### University of California, Irvine

Bachelors of Science in Computer Science

Donald Bren School of Information and Computer Sciences

## TECHNICAL SKILLS

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<b>Back End Languages &amp; Frameworks:</b>	Java, Python, C++, Flask
<b>Database Technologies:</b>	MySQL, NoSQL, Firebase
<b>Front End Technologies &amp; Frameworks:</b>	HTML, CSS, JavaScript, React, MaterialUI, TailwindCSS
<b>API &amp; Microservices:</b>	RESTful API Development
<b>Other Relevant Skills:</b>	Git, Github, JIRA

## WORK EXPERIENCE

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### Amazon Lab126 FireOS Multimedia Team

*August 2022 - June 2023*

Software Development Engineer - Level 4

*Java, C++, Android*

- Resolved audio-related streaming issues for 50+ third-party apps through collaboration and Android Audio expertise, enhancing app integration and boosting functionality by solving 100+ separate ticketed issues.
- Spearheaded logging enhancement for FireOS Audio Framework using C++, decreasing problem diagnosis time by 18%, expediting support team responses and enhancing user experience.
- Assisted in critical transition of code base from FireOS7 to FireOS8 using Agile methodologies, enhancing performance for millions of consumer devices and reducing bug reports by 11%.
- Revamped device metrics reporting for millions of devices using C++, boosting internal analytics accuracy and efficiency by an estimated 20%.
- Developed internal tool using Java and Android SDK, enhancing team's understanding of Android and FireOS audio fundamentals, reducing new hire onboarding time by 35%.

### eQ Technologic

*October 2020 - August 2022*

Software Engineer - Level 2

*Java, JavaScript, Python, MySQL*

- Led complex data migration from legacy systems to TeamCenter for major aerospace client, managing 1TB+ data, using ETL processes, Java, and Javacript, resulting in 20% efficiency gain in their engineering processes.
- Designed and implemented 40+ RESTful API endpoints in a microservices environment for TeamCenter system manipulation, enhancing system responsiveness by 20%.
- Collaborated with a 20+ member customer team, troubleshooting and adjusting product specifications using Java and MySQL, resulting in a 35% reduction in reported issues.
- Improved customer self-sufficiency by leading development on user-friendly documentation for our RESTful APIs. This resulted in a significant 52% reduction in customer support tickets related to API usage, improving overall customer satisfaction.
- Implemented comprehensive product testing using JUnit, improving product quality by reducing bug count by an estimated 30%. Collaborated with customer QA team to align on high product standards.