Rock Zhang

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**{DATE}**

{NAME}

{COMPANY}

{CITY}, New Zealand

**Dear {NAME}**

**Re: {POSITION} position**

I am writing to apply for the {POSITION} position at {COMPANY}, with a strong desire to bring my expertise in C/C++ used in browser core development and core system engineering to your team. I have 14 years of experience working in companies with significant global impact, specializing in Android WebView customization and optimization for large-scale corporate web software. My core expertise includes advanced C/C++ and Java development on Linux and Android platforms, with a strong emphasis on WebView as the foundational component for web execution. Through this, I have developed extensive knowledge and hands-on experience both in Linux and Android.

The core logic and functionality of WebView are continuously iterated by Google using C++, making it an extensive and highly complex project. Through my work, I have gained substantial experience in using C/C++, mastering various techniques, design patterns, and managing large-scale project compilation processes.

As WebView itself is a large and intricate system, responsible for rendering and loading diverse websites, I regularly encountered and resolved a wide array of complex challenges. This required strong problem-solving abilities, advanced debugging skills, and the capability to break down and approach difficult issues methodically.

WebView encompasses a wide array of technologies, including OS adaptation, network protocols, JavaScript engines, data collection/analyze, core metrics monitoring, and web standards. This breadth of exposure has provided me with a comprehensive understanding of various modules, allowing me to adapt quickly to new technical challenges and domains.

At ByteDance, in addition to my work on the WebView core network module, I led the management of several Android SDKs. This role involved not only development and code optimization but also release management, branch control(Git), and client delivery. I collaborated closely with cross-functional teams to integrate these SDKs into platforms such as TikTok, Lark, and Toutiao, adhering to their CI/CD processes and ensuring smooth, seamless integration. To improve delivery quality, we adopted a Test-Driven Development (TDD) approach during kernel rolling upgrades. We first developed validation modules before migrating functionality to the new repository. This ensured that updates from Google's upstream would not cause issues with our features.

Trust me, you shouldn't miss out on a qualified candidate like me, with a solid professional background and extensive work experience. You might think I lack local experience in certain local workflows or Azure cloud services. However, I have similar experience with AWS and company-developed tools and workflows. Given my many years of experience, I am confident that I can quickly become familiar with and master these processes, so this will not be an issue. Your team will be grateful for your vision in choosing me.

Finnally, I hold an open partner work visa, can be renewable until 2028, and I am willing to relocate to the city of my eventual employment. Thank you for considering my application. I look forward to hearing from you.

**Yours sincerely,**

**Rock Zhang**