

Australia Jobs Expertini®

Software Engineer(Android), FIDO2 Authentication

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Company: TikTok

Location: Sydney

Category: computer-and-mathematical

About the Company TikTok is the leading destination for short-form mobile video. Our mission is to inspire creativity and bring joy. TikTok has global offices including Los Angeles, New York, London, Paris, Berlin, Dubai, Singapore, Jakarta, Seoul and Tokyo. Why Join Us Creation is the core of TikTok's purpose. Our platform is built to help imaginations thrive. This is doubly true of the teams that make TikTok possible. Together, we inspire creativity and bring joy - a mission we all believe in and aim towards achieving every day. To us, every challenge, no matter how difficult, is an opportunity; to learn, to innovate, and to grow as one team. Status quo? Never. Courage? Always. At TikTok, we create together and grow together. That's how we drive impact - for ourselves, our company, and the communities we serve. Join us.

About the Team FIDO stands for Fast Identity Online. It is the state-of-the-art authentication that is arguably the most secure of all currently available authentication methods. Our team's mission is to protect both internal and external users across all company applications with secure and user-friendly FIDO2 authentication. We have a variety of tech stacks, including WebAuthN server, mobile and web SDK, tools, and other components that implement FIDO2 and support its use. There are two major initiatives in our team, mainly separated by the different types of customers we serve:- Internal ToE(enterprise): Empower every employee as a phishing-resistant user.- External ToC(consumer) and ToB(business): Deliver a seamless and secure FIDO2 authentication experience across all company products.

Job Responsibilities - Serve as a technical expert for requirements, design and implementation of FIDO2 services and products across TikTok's suite of products.- Design, develop, onboard, and support the FIDO2 service with all the company services,

including but not limited to compute, storage, DB systems.- Partner with Product, Operation team, Security/Legal/Compliance and other engineering teams to identify and address authentication related security issues.- Play a critical role in influencing cross functional partners and roadmaps to continuously tighten the security posture of overall TikTok's Infrastructure.- Technology: - Cloud-based microservice architecture in Golang - Highly distributed system with data centers in multiple countries - Data pipelines and query engines - More specifically include - Golang, Python and other common object-oriented programming language - MySQL, Redis, Elastic Search, Kafka - Grafana, Hive - Thrift RPC, Service Mesh, Consul, TLS, mTLS - React, Vue, Angular, NodeJS or other common web framework - Native Android and iOS client

Minimal Qualifications:- Bachelor's degree in Computer Science, Computer Engineering, Electrical Engineering, or other relevant majors. - Strong experience as a developer with Android SDK and different versions of Android(Kotlin and/or Java). Preferred Qualifications:- 3~5+ years of industry experience in Computer Science, Computer Engineering, Electrical Engineering, or other relevant majors.- Experience with iOS development (Swift and/or Objective-C) is a plus.- Experienced in the design and implementation of large scale distributed system - Creative problem-solving skills and excellent troubleshooting and debugging skills- Strong written/verbal communication and excellent teamwork skills

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