

NELLY WANG

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PROFESSIONAL SUMMARY

Front-End Developer with 2+ years of experience in high-performance cross-platform app development at TikTok China. Skilled in React, TypeScript, and ECharts, with a proven track record of improving performance by up to 70% and reducing manual work via low-code solutions. Thrive in fast-paced Agile teams, with a strong ability to quickly learn and apply new frameworks. Actively seeking opportunities to build scalable, intuitive UIs in growth-driven teams.

EDUCATION

University of Adelaide - Adelaide, SA 05/2025
Master of Science: Computer Science

Beijing University of Posts And Telecommunications - Beijing, China 06/2021
Bachelor of Science: Telecommunication Engineering With Management

WORK HISTORY

Front-End Developer | TikTok (Bytedance) - Beijing, China 07/2021 - 07/2023

Worked on a series of cross-platform front-end projects for TikTok, delivering performant, scalable web and mobile experiences across diverse business lines. Collaborated in Agile teams, specializing in React Native, TypeScript, and performance monitoring.

Mobile Web Page Development (07/2021 – 02/2022)

- Developed and maintained in-app web features using React Native and TypeScript, ensuring consistent performance across iOS and Android.
- Built a movie ticket booking interface with custom API integration, significantly enhancing booking flow and scalability.
- Created real-time user metric dashboards using ECharts, improving data visibility.
- Delivered a Spring Festival gamified campaign ("pick one of three"), driving user acquisition through engaging UI and backend integration.
- Authored internal docs on cross-platform architecture and CSS animation best practices, supporting onboarding and knowledge sharing.

Cross-Platform Monitoring & Dynamic UI (11/2021 – 07/2022)

- Implemented a backend-driven component system for dynamic UI rendering, enabling real-time content updates without app redeloys.
- Designed and deployed a monitoring SDK for users behaviours and performance tracking; ensured quality via unit tests and CI/CD pipelines.
- Coordinated closely with backend and QA teams to deliver robust RESTful API integration across various app modules.

Instant Messaging UI & Performance Optimization (07/2022 – 07/2023)

- Developed a modular card loading system for TikTok IM using a low-code configuration, cutting manual coding efforts by 50%.
- Led performance profiling and introduced a full performance timing system, resulting in a 70% reduction in load time.
- Participated in Agile rituals including sprint planning, code review, and debugging, contributing to stable and timely feature releases.

Intern Front-End Developer | TikTok (Bytedance) - Beijing, China 09/2020 - 07/2021

- Built core features for the TikTok China Creator Service Platform using React, enabling creators to upload videos and manage descriptions through a responsive web interface.
- Developed interactive visualizations with ECharts to present key metrics (e.g. video likes), enhancing data readability and platform usability.
- Contributed to the design and development of the TikTok China official website, implementing fullpage.js for smooth full-screen scrolling and parallax animations, creating a dynamic and immersive user experience.
- Supported marketing and branding efforts by delivering a high-performance front-end architecture, helping the site consistently reach 100,000+ daily page views.

SKILLS

- Languages & Frameworks: JavaScript, TypeScript, React, React Native, HTML5, CSS3
- Visualization: ECharts, fullpage.js
- Tools & DevOps: Git, CI/CD, Unit Testing
- Practices: Front-End Monitoring, Performance Optimization, Agile Development

CERTIFICATIONS

- IELTS Academic: Overall Band Score 7.0 (CEFR Level: C1)
- University of Adelaide 30% Global Citizens Scholarship