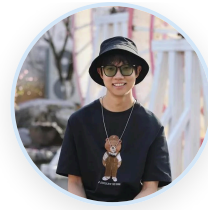


Bojun Chai

Senior Software Engineer & Tech Lead @ Microsoft

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SUMMARY

Senior Software Engineer & Tech Lead with 10+ years of mobile application development and engineering experience, delivering products and services with world-class quality. Currently at Microsoft, reshaping my capabilities in the AI Native wave - connecting mobile quality, engineering productivity, and AI Native practice to turn complex cross-team goals into high-quality outcomes.

PROFESSIONAL EXPERIENCE

Senior Software Engineer - Microsoft China

Jun 2021 - Present

Applying AI in practice while continuously delivering foundational quality, automation, and engineering productivity across Mobile and DevOps.

- Tech Lead for Copilot DevOps, leading a 5-8-person functional team across organizations and time zones to support engineering productivity, product releases, and full app lifecycle operations.
- AI champion applying LLMs and **Harness** to DevOps; built a **CI/CD/QE monitoring and alerting system** that achieved 95%+ CI/CD reliability, 5x PR efficiency, and zero app-release blockers.
- Delivered world-class mobile reliability across Microsoft Bing, MSN, and Copilot for Android, achieving a crash user rate below 0.05%.
- Core member of **Bing** and **Copilot** App Fundamentals, achieving ≥99.99% crash-free sessions, ≥99.9% sign-in success, and ≥80% core UI automation coverage.
- Microsoft Android Dev Day speaker for two consecutive years (2022-2023), presenting on mobile authentication and world-class crash-rate engineering.

System Engineer / HyperBoost Project Lead - Guangdong OPPO Mobile Telecommunications Corp., Ltd.

Nov 2019 - May 2021

Smart Connectivity & Gaming Development Department

- Led HyperBoost Open Capability architecture and developed SDKs and backend services for system-resource scheduling and linear-motor haptics; supported 25+ device models and 105+ third-party apps, processing 200M+ capability calls daily and delivering 30%+ average performance gains.
- Authored official HyperBoost documentation for the OPPO Open Platform; partnered with leading global app and game companies on integration, joint tuning, technical support, and requirements delivery; led the joint OPPO/Qualcomm/NetEase Games launch of VRS (Variable Rate Shading).
- Owned backend development for core ColorOS 11 gaming features, including 4D Vibration, Lightning Start, and Game Filters, bridging UI and system capabilities; optimized gaming performance, power, and thermals for the Find X2 and Find X2 Pro.

Software Engineer - Samsung Electronics (China) R&D Center

Jul 2017 - Oct 2019

Wearable Solution Lab

- Built an RTOS-based UI framework for Galaxy Fit, encapsulating UI controls and designing the UI thread model, resource management, and touch/hard-key event handling; improved responsiveness and reliability.
- Architected, developed, and maintained core first-party Galaxy Watch apps and modules, including Daily Briefing, Wearable Notification, and Home Screen.
- Served as an internal technical trainer and culture ambassador; received the 2019 Best Engineer Award and two Best Employee Awards in 2018.

Software Engineer - Jiangsu Yinhe Electronics, Nanjing R&D Center

Jun 2016 - Jun 2017

Software Development Department

- Developed and maintained DVB set-top-box software; ported Conditional Access (CA) modules and developed supporting middleware.

EDUCATION

Jiangsu University of Science and Technology - Bachelor's Degree in
Communication Engineering

Sep 2012 - Jun 2016

AWARDS & ACHIEVEMENTS

Microsoft AI Impact Award

Best Engineer Award

Best Employee Award (twice)

Microsoft, 2026

Samsung Electronics China R&D Center, 2019

Samsung Electronics China R&D Center, 2018

PATENTS

CN113177005B - Memory Cleaning Method, Apparatus, Storage Medium, and Electronic Device

CN112363611A - Power Consumption Adjustment Method and Apparatus, Electronic Device, and Readable Storage Medium

CN110519306B - Device Access Control Method and Apparatus for the Internet of Things

CN109377553A - Cloud Control Method and System for Intelligent Biomimetic Objects

OPPO, 2021

OPPO, 2020

Samsung, 2019

Samsung, 2018

TALKS & PUBLICATIONS

How to Achieve a World-class Crash Rate (Talk)

Microsoft Authentication Integration in Mobile Apps (Talk)

Work Principles in the AI Native Era (Publication)

Microsoft Android Dev Day 2023

Microsoft Android Dev Day 2022

aka.ms/on-ai-native-work