

Boh Ze Jun

Senior Frontend / Full Stack Software Engineer

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Software Engineer who built AI agent conversation interfaces and collaboration tools at Meta (Manus AI), rebuilt the payment and accounts systems at HoYoverse to process ~USD \$57m with ~70m downloads globally on the launch week of 2 new games. Led development of time sensitive features which saved TikTok millions of dollars in EU GDPR fines and also spearheaded an innovation project at Bank of Singapore, delivering \$1.5m/annum in savings and estimated to help the sales team close deals 2x faster!

Experience

Meta (Manus AI)

Senior frontend software engineer

Singapore

Feb 2026 - Present

- Engineered the core frontend architecture for Manus's advanced AI agent platform, building complex, stateful user interfaces for real-time human-AI interaction using React and TypeScript
- Developed the 'AI agent conversation' interface, implementing real-time streaming responses, context management, and interactive UI components enabling seamless multi-turn agent interactions
- Architected and shipped critical product features including scheduled task management, dynamic navigation systems, settings dialogs, and document previewing capabilities
- Built real-time collaboration and sharing features, enabling multi-user interaction with AI-generated artifacts and file actions across the platform

Instawork

Senior full stack software engineer

Singapore

Jul 2025 - Jan 2026

- Delivered cross-platform features for partner web and Pro mobile (Hyperview)—messaging, AI-assisted shift booking, two-sided ratings, notifications—using React/TypeScript + Python Django
- Extended Sendbird to auto-create multi-recruiter group channels; integrated messaging with AI booking bot to automate user booking flow
- Built end-to-end post-gig ratings, boosting trial-shift rating completion by 20%; fixed a legacy N+1 path causing ~20s loads for large partners, cutting latency >90%; drove refactors/dependency upgrades (with Cursor AI)

HoYoverse (formerly miHoYo)

Senior frontend software engineer

Singapore / Shanghai

Jul 2022 - Jul 2025

- Scaled account and payments frontends for 5 flagship titles (Genshin Impact, Honkai: Star Rail, etc.) across iOS, Android, PC, PS4/PS5, and Xbox
- Delivered ultra-resilient auth flows handling ~15M sign-ups in 48h during launches, maintaining sub-second latency at global peak traffic
- Built modular Vue JS + TypeScript UIs for web top-up and in-game cashier; integrated 50+ payment methods across 100+ countries; Drove conversion and security with client-side validation, adaptive loading, and tokenization—supporting ~8M DAU and ~ SGD 5M in daily transactions
- Partnered with BE/SRE to cut FE live-ops incidents by 30% and improve reliability
- Delivered internal ops/finance tools for live-ops management, visualizing data insights powering event strategies and report generation
- Keynote speaker at SINFO 2024 tech conference in Lisbon, Portugal

TikTok, ByteDance

Full stack software engineer

Singapore

Jun 2021 - Jul 2022

- Spearheaded GDPR/data-residency compliance for payments: rebuilt and localized merchant/advertiser and admin portals using React JS, Node JS (BFF), and Golang; implemented data separation, consent, and audit logging; delivered within months under regulatory deadline, averting potential multi-million-euro fines
- Implemented global payments infrastructure improving regional reliability and enabling EU/US operations without cross-border data flow
- Collaborated with BE to design and build a reusable UI rendering system based on user-configurable API responses
- Awarded the Employee Rockstar Award in 2021 and also took part in the TikTok Employee Ambassador program

Bank of Singapore

Full stack software engineer

Singapore

Jul 2019 - Apr 2021

- Joined the Management Associate Program in 2019 and awarded the CEO Recognition Award in 2020
- Engineered RM front-office web app using React JS, backed by Java Spring Boot microservices and Kafka; Became a real-time replacement for the RM workbook which was a large Excel file manually generated every month with Excel macros, saving thousands of manhours every month.
- Prototyped a genetic-algorithm portfolio optimizer in Python which led to the formation of a team, SuperSolver, to build an in-house roboadvisory
- Led 2 winning Innovation Challenge products end-to-end; built MVPs and launched an RM pitch tool projected to save 3,680 hours across 3 departments globally, delivering \$1.5m/annum in savings and estimated to help the sales team close deals 2x faster
- Developed a HR desktop app using Unity C# and React JS that consolidated and streamlined internal workflows, saving hundreds of manhours

DBS Bank, Pte Ltd

Data scientist

Singapore

Aug 2018 - Dec 2018

- Design and implement complex network analysis of almost 6m client account relationships via graph theory, perform data mining, create dashboard visualisations and present insights on customer segmentation, identified KOL leads and helped to drive sales by at least 150%

Skills

Languages: JavaScript, React, Vue, TypeScript, Python, Django, SQL **Tools:** Git, Docker, Shell, Browser dev, Postman, Fiddler, CI/CD pipelines, etc.

Education

Singapore Management University — *Advanced Certification in Private Banking* 2020

Eindhoven University of Technology — *Industrial Engineering & Innovation Sciences (Masters), Exchange* 2018

National University of Singapore — *Industrial & Systems Engineering (Honours)* 2015 - 2019