

BOBBER CHENG

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CAREER PROFILE

I am an inclusive AI engineer leader.

Things I've been doing lately:

- GenAI platform of code self-improvement for all engineers.
- Build Personalization platform from zero to customize consumers/patients purchase journey.
- API/AI first product information management system for retailer front/backend.
- Level up medium level engineers to excellent in 1 year.

Business speak:

I am passionate about leveraging cutting-edge techs to create/enhance brand value through economical solutions and growth-oriented teams. I excel in motivating teams with psychological safety and clear technological vision, driving initiatives to successful completion.

Geek speak:

My strongest is to build self-growing platforms with extensible services/apps in maintainable, scalable and reusable code in months.

I am also professionally proficient in Kubernetes/serverless, Python/Java/C, Oracle/PostgreSQL/NoSQL/Hadoop + React Typescript and LLM Agents/ML.

PROFESSIONAL EXPERIENCE

Loblaw Digital Software Engineer manager, Toronto (2023 -)

- Built personalization platform from zero with distributed services and applications to provide customized purchase experience for millions of users with 100 RPS and less than 0.2s service latency. Tech stack: GCP + Kubernetes + EC2 + NOSQL + Postgres + Java + Typescript + Python + Vertex/Azure AI.
- Delivered GenAI platform of code self-improvement for all engineers with 1+ million code change suggestions and 30% acceptance rate.
- Delivered hundreds of server-driven headless components to speed up UX innovation for both web/mobile and backend.
- Built 3 high performance teams including local, near-shore full-stack team, and pilot GenAI teams.

CSC Generation(U.S.) Engineer manager, Remote (2022 -2023)

- Built a high-performance eCommer platform team with 5-7 people to normalize agile software development in CSC shared service department. Tech stack: AWS + serverless + EC2+ NOSQL + Postgres + Typescript + Python.
- Delivered API/AI first product information management system to merch millions of products with NoSQL graph DB and cloud event driven architecture,

<https://aws.amazon.com/blogs/database/how-csc-generation-powers-product-discovery-with-knowledge-graphs-using-amazon-neptune/>.

- Generalized the best practices to CSC golden tech stacks including CSC SDK to resolve CSC challenges continuously.

Intrado Associate Development Manager, Mississauga (2019 - 2021)

- Managed technical teams and focal points for development issues to deliver new features to Intrado conference products monthly. Tech stack: GCP Container + NOSQL + Oracle + Java + Native + React + Typescript.
- Provided guidance to project leaders in all aspects including project management and solution design. Accountable for delivery across multiple projects resulting in expected business solutions with 30% reduction of escalation issues.
- Directed high-quality programming and applied the best practices to cloud services and desktop/mobile apps to reduce major vulnerabilities and improve service performance iteratively.
- Migrated Intrado microservices to GCP/CloudFoundry with ELK and achieved significant improvement of Intrado meeting service capability up to 10K+ users with 30%+ cost reduction.

West Team Leader, Shanghai (2007 - 2019)

- Led agile team to deliver web-based applications to Intrado conference products that include InterCall Conference manager. Tech stack: Container + Oracle + C++/Java + Native + React + Javascript.
- Applied machine learning to software UI development for generating code from UI and accelerate development. Tech stack: Tensorflow + Pytorch + React + Javascript.
- Enhanced security policy for Intrado legacy products to avoid fraud and meet GDPR requirements.

Education:

- Computer & Applications, Shanghai Jiao Tong University
- Physics, SiChuan University

Certification:

- NVIDIA-Certified Associate: AI Infrastructure and Operations
 - SAFE Scrum master
 - Kaggle Machine learning Expert
 - Project Management Professional (PMP)