Benny Lim

Software Engineer

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Skills

Spoken Languages: English (full proficiency), Mandarin (conversational)

Programming Languages: TypeScript 5 (Angular 21), JavaScript ES6, Python 3, HTML5, SCSS, CSS3, SQL (MySQL), Apex, Lightning Web Components (LWC)

Software/Tools: Agentforce, Salesforce, Figma, Git, REST API, Elasticsearch (ELK), Grafana, Selenium, Jira, Asana

Experience

Salesforce | Member of Technical Staff (MTS), Keynote Demos
JULY 2024 - PRESENT, SINGAPORE

- **Main Keynote Demo Engineer:** Architected and engineered high-fidelity, production-grade AI prototypes for Agentforce and Salesforce's PaaS/SaaS stack, featured at premier events like *Dreamforce* and the *Agentforce World Tour*.
- **Cross-Functional Technical Liaison:** Led technical coordination between Messaging, Design, Engineering, and Global Production teams to ensure the stability of live, on-stage product demos during high-visibility keynote sessions.
- **Strategic Prototyping:** Rapidly iterated on emerging features (LWC, Agentforce) to validate product-market fit and demonstrate technical feasibility to C-level stakeholders.

DBS Bank | Platform Engineer, UI/UX & Enterprise Systems
AUGUST 2018 - JUNE 2024, SINGAPORE

- **Principal Developer, UI/UX** (2021 - 2024)
  - Designed, built, and served as the technical lead for a company-wide Angular component library.
  - Collaborated with UX teams and internal users to modernize and launch a modern finance management platform used bank-wide.
- **Previous Roles:** Served as QA Engineer (2020 – 2021) and Full-stack Engineer (2018 – 2020).

Research & Publications

Dynamic Coupling and Scheduling of High-Speed Rail Carriages | MAY 2024

Authored a research paper proposing an AI guided framework for continuous rail transport via in-motion coupling, modeling a 53 percent travel time reduction for major transit networks; pending publication.

On the Infinitude of Twin Primes | DECEMBER 2023

Exploratory paper in Number Theory aiming to derive proof for the Twin Prime Conjecture; pending publication.

Prime Numbers Generated From Highly Composite Numbers | DECEMBER 2018

Published in PARABOLA (UNSW), Volume 54, Issue 3. Explored Prime derivation through properties of Highly Composite Numbers.

Education

National University of Singapore | B.Sc Physics
AUGUST 2013 - AUGUST 2017

Focus in Astronomy, Number Theory, and Computer Science.

Leadership & Service

Singapore Armed Forces | Artillery Officer
MAY 2011 - PRESENT

Reservist officer holding the rank of Captain.