

Boying Tang

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PROFESSIONAL SUMMARY

Innovative Software Engineer with a strong background in designing and implementing scalable, secure, and reliable software solutions. Adept at leveraging modern cloud-based paradigms and integrating scalable microservices. Passionate about solving complex problems and contributing to impactful projects.

EXPERIENCE

Software Engineering Consultant *at Aerware*

April 2025 – Current

- Worked closely with designers and backend engineers to deliver seamless user experiences.
- Architected and implemented scalable backend services supporting new client-facing features, ensuring high availability and performance
- Designed API contracts and integration patterns, enabling seamless communication between frontend apps and backend microservices.
- Translated 47+ UI/UX designs into responsive, interactive web interfaces using HTML, CSS, and React/Javascript.

Software Engineer *at Amazon*

August 2020 – March 2024

- Designed and maintained scalable systems for integrating 1500+ Chromium commits weekly, ensuring reliability and low latency in updates for Silk Browser.
- Developed CI/CD pipelines and automated testing frameworks using Python and UI Automator, reducing manual testing time by over 12 hours per release.
- Managed extensive codebases (25M+ lines), resolving critical issues and optimizing release cycles for a user base exceeding 9.7 million.
- Engineered custom tooling to accelerate Chromium updates, reducing commit lag from 3000 to 1000, enhancing development efficiency.

Student Developer *at NYU IT*

May 2017 – January 2019, September 2019 – August 2020

- Designed caching strategies for microservices, improving system performance and reducing latency.
- Developed authentication and role management services for multiple departments using ASP.NET Core.
- Built and maintained full-stack solutions with React/Redux frontends and ASP.NET backends, enhancing API interactions and improving UX.
- Implemented RESTful API services, improving backend efficiency and scalability.

Software Engineering Intern *at JPMorgan Chase*

June 2019 – August 2019

- Migrated high-volume data (30,000+ records) from SQL Server to Cassandra, ensuring seamless data integrity.
- Developed automated data pipelines using Node.js, feeding real-time Tableau analytics dashboards.
- Implemented scalable backend services to enhance data retrieval speed.

EDUCATION

New York University

May 2020

Bachelor of Science in Computer Science

GPA: 3.5

Dean's List Fall 2016 – Spring 2017, Fall 2018 – Spring 2019

SKILLS

- Programming: Python, Java, C/C++, JavaScript (React, Redux), SQL
- DevOps & Infrastructure: CI/CD, AWS, Linux, Git, Automation (Python, UI Automator)
- Backend & Security: Microservices, ASP.NET Core, API Development