Jason Sun's Resume

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Profile

Senior Software Engineering Leader with 10+ years of experience building and scaling AI/ML systems and leading high-performance engineering teams. Proven track record of driving technical strategy and delivering complex projects in fast-paced environments from early-stage startups to Fortune 500 companies. Led multiple teams of 5-15 engineers while managing stakeholder relationships and mentoring junior talent.

- Technical Leadership & Team Management: Led cross-functional teams of 5-15 engineers, mentored junior developers, managed hiring/performance reviews

- AI/ML Systems: Production experience with LLMs, RAG, AI agents, computer vision, and autonomous systems

- Architecture & System Design: Designed and scaled distributed systems handling millions of requests

- Full-stack Development: React, Next.js, TypeScript, GraphQL, Python, C++

- Cloud & Infrastructure: AWS, GCP, Azure, Kubernetes, Docker

Work Experience

- Principal & Technical Consultant *Adanomad Consulting* Mar. 2023 – present
    - Lead a team of 6 developing AI-powered solutions for enterprise clients
    - Established technical direction and architecture for multiple client projects
    - Mentor and coach team members while managing client relationships and project deliverables

- Software Engineer Amazon Lab126 June 2019 — Jan. 2022 Sunnyvale, California
    - Led platform mapping team for Amazon Astro home robot initiative
    - Drove cross-functional collaboration between hardware, software, and product teams
    - Managed technical roadmap and architecture decisions for real-time mapping infrastructure
    - Mentored junior engineers and interns, conducting performance reviews and career development
    - Tech stack: ROS, C++, Python, Java, full-stack web development

- Autonomous Systems Engineer *AutoX Technologies Inc.* in Aug. 2017 – May 2019 San Jose, California
    - Early engineer (#10) at Seed to Series A self-driving car startup, contributing to growth from 10 to 150+ employees
    - Led team of 6 engineers building vehicle to cloud apps infrastructure, using C++, Python, GraphQL, Node.js, React
    - Built HD mapping and point cloud processing infrastructure for autonomous vehicle localization

- Architected and scaled autonomous vehicle systems from concept to prototypes
- Managed technical integration between multiple teams (perception, planning, controls)

- Software Engineer *Apple Inc.* in Nov. 2015 — Jan. 2017 in Cupertino, California

  - New graduate hire into iOS device management team
  - Architected and built full-stack website (Rails API, Ember.js, nginx, MySQL) for managing iOS device fleet
  - Developed client-side task runners for automated test distribution
  - Created internal iOS and macOS applications using Swift and Objective-C
  - Improved reliability tools used across multiple product lines

- Undergrad Research Assistant at University of Waterloo in May 2015 — September 2015 in Waterloo, Ontario

  - Collaborated with AI professor and research team on NLP chatbot project
  - Built prototype for customer support chat suggestions using Apache Lucene and TF-IDF

- Software Engineer Intern *Shutterfly Inc.* in July 2014 — August 2014 Redwood City, California

  - Designed and implemented distributed REST API service using Java/Scala and Apache Cassandra
  - Created network load testing framework for distributed image hosting service
  - Worked with platform team on high-throughput system architecture

- Software Developer at *Encircle Inc.* in May 2014 — Jun. 2014 Kitchener, Ontario

  - First engineer intern fullstack web developer in the Velocity Garage startup building insurance claims platform
  - Built REST APIs with Python/Tornado and developed hybrid mobile apps (iOS/Android)

- Software Tools Developer Intern at RIM (BlackBerry) in Sept. 2013 — Dec. 2013 Ottawa, Ontario

  - Enhanced GitLab features (Ruby on Rails) and Github to GitLab migration
  - Built automated UI testing framework using Selenium WebDriver

- Physics Teaching Assistant at *Wilfrid Laurier University* in September 2011 - April 2012 in Waterloo, Ontario

  - Developed a spectrometer reading program in Python using the pySerial library to automate the reading of lab samples and generate a spreadsheet file.

Education

- *University of Waterloo* Bachelor of Computer Science.

- Exchange at *EPFL (Swiss Federal Institute of Technology at Lausanne).*