

SUMMARY

Experienced senior software engineer with expertise in large-scale distributed systems. Known for innovative problem-solving and project management, I excel in developing scalable code and leading diverse teams, focusing on continuous improvement and crafting technically precise, user-centric applications. Excited to join a dynamic team, utilizing my experience in large system architecture to address challenging problems.

CORE AND TECHNICAL COMPETENCIES

Software Engineering — Project Management — Team Leadership — Continuous Improvement — Process Optimization — Documentation — Distributed Systems — Scalable Code Development — Cross-Functional Coordination — Quality Assurance

EXPERIENCE

- **WhatsApp** New York, NY
Senior Software Engineer - Backend - Group messaging and Communities April 2022 - July 2023
 - Launched Communities feature, improving user engagement and adoption targets.
 - Contributed to key backend projects, including Group Join Request, enhancing user experience for WhatsApp's extensive 2.5 billion user base.
 - Championed a cross-functional effort to transition user identifiers from phone numbers to internal identifiers, significantly enhancing system resilience and user privacy.
 - Improved existing endpoint latencies by up to 40% in the context of Communities, markedly improving response times and system performance.
 - Developed and integrated GDPR-compliant reporting features, upholding WhatsApp's adherence to strict data protection regulations.
 - Served as an on-call support engineer for critical systems (group messaging backend), optimized the process, highlighted inefficiencies, effectively mitigated outages, and reduced impact on system performance.
- **Bloomberg L.P.** New York, NY
Senior Software Engineer - Trading & Analytics May 2018 - March 2022
 - Designed, built and released new features to Bloomberg's full stack trading platform framework, while maintaining system stability.
 - Led cross-functional team projects, consistently delivering them in alignment with established timeframes.
 - Drove the adoption of new technologies, focusing on modern frameworks and languages like TypeScript and React.
 - Led the improvement of development practices, emphasizing efficient state-management and code modularity.
 - Mentored others and encourage knowledge sharing in order to drive the growth of the team.
- **Fullstack Academy of Code** – *major coding bootcamp* New York, NY
Teaching Fellow Dec 2017 - Apr 2018
 - Led code reviews and acted as a project manager for 4 teams of junior software engineers.
 - Code paired, debugged/mentored technical concepts and best practices to 50 students on a daily basis.
 - Conducted technical interviews in JavaScript for prospective students 2 to 3 times a week.
- **Ara Global Group** – *medium sized electronics wholesaler* New York, NY
Software Engineer May 2016 - Apr 2018
 - Spearheaded re-engineering project to improve/automate asset processing and cataloging, reducing processing time by 25%.
 - Developed an in-house SaaS for systematic asset and sales monitoring per device leading to 20% in increased revenue.
 - Wrote a data validation tool in JavaScript that ensured the accuracy of inventory and sales data feeds.
- **BISAM, Inc.** – *financial software vendor* New York, NY
Product Support Analyst Jan 2015 - Apr 2016
 - Troubleshoot financial calculation issues raised by clients and Professional Services team.
 - Supported defect resolution by identifying and replicating bugs.
 - Tested patch releases and managed deliveries.
- **Tortus Capital Management** – *value oriented hedge fund* New York, NY
Research and Trading Analyst Jul 2013 - Jul 2014
 - Completed financial analysis for over 30 distressed companies and recommended long/short positions.
 - Traded and monitored the firm's securities on a daily basis.

Previous employers: UBS - Sales Trader *Paris, France*, Credit Suisse - Sales Trader *Paris, France*, France Télévisions Publicité - Business Analyst *Paris, France*

PROJECTS

- **Kyozo** – *technical advisor* <https://kyozo.com>
An instant messaging based platform for communities to reach their audience. 2023 to 2024
- **RoamSync** – *founder & developer* <https://roamsync.vercel.app>
A React and Node.js application that syncs data between Roam Research and Google Calendar.
- **Athens** – *open source contributor* <https://github.com/athensresearch/athens>
A knowledge graph for research and notetaking, written in Clojure(script).
- **Learning Clojure in public** – *author* <https://github.com/alaq/learning-clojure-in-public>
Learned Clojure in 5 weeks and wrote one blog post per day. July 2020
- **Propel ML** – *open source contributor* <https://github.com/propelml/propel>
GPU-backed numpy-like infrastructure for scientific computing in JavaScript.
- **Device Extract, LLC.** – *founder & developer*
An Electron app for cataloging mobile devices programmatically. June 2017 to April 2018

EDUCATION

- **ESSEC Business School** Singapore
M.S. Financial Engineering 2013
- **Université Paris Dauphine** Paris, France
M.S. Finance & B.S. Management 2011

PROFESSIONAL DEVELOPMENT

- **Fullstack Academy of Code** New York, NY
Software Engineering Immersive Program 2017