

Rich Hong

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Summary

Highly experienced software engineer with 10 years of industry experience building products for consumers, enterprises, and developers. Interested in working with a diverse team that communicates clearly and intentionally. Motivated to improving team productivity through process improvements and automation. Thrive on diving deep into complex problems involving distributed services and system architectures.

Experience

Confide

New York, NY

Co-founder & Chief Technology Officer

January 2014 – December 2020

- Acquired by IAC in December 2020
- Developed multiple ideas from the ground up into successful products for consumers, enterprises, and developers
- These revenue generating products combined to support a profitable business (\$1 million ARR)
- Established the overall technical vision and led all aspects of technology development
- Oversaw all technology services and software architecture and managed technology-related budgets
- Confide (20k+ paid subscribers; 200+ countries) getconfide.com
 - Confidential messenger with encrypted, ephemeral, and screenshot-proof messages
 - Developed native mobile applications for iOS in Objective-C and Android in Java
 - Developed cross-platform desktop app for macOS and Windows with Electron, React, and CoffeeScript
 - Propelled company into profitability with Confide Plus, consumer in-app purchase subscriptions for premium features
 - Launched an enterprise edition as Confide Pro including a web management dashboard, distribution lists, and company directory
 - Architected, built and maintained technical infrastructure (Go, MySQL, Redis, Amazon Web Services)
- ScreenShieldKit (60+ paid licensees; 20+ countries) screenshotshieldkit.com
 - Invented patented screenshot protection technology that is the only solution of its kind on iOS
 - Commercialized the screenshot protection technology into a developer SDK for iOS
 - Over 60 paying customers, from independent developers to multinational development companies, across 20+ different countries
 - Developed automated build pipeline for creating unique evaluation builds for each prospective customer
 - Developed integrations and documentations for both native iOS apps as well as React Native, Flutter, and Xamarin
- Other projects
 - AHoy: location-based social app on iOS and Android (JavaScript, Objective-C, Java)
 - StockHead: specialized voice assistant for financial information (Python, Flask, Swift, Google Cloud Platform)
 - Flight Club: booking and management software for private aviation (Go, TypeScript, React, Next.js, Google Cloud Platform)

Yext

New York, NY

Technical Lead / Full Stack Software Engineer

June 2010 – December 2013

- Led a rotating technical operations team of ~5 engineers from across the entire engineering organization
- Led infrastructure projects that identified major bottlenecks and significantly improved performances of several internal services
- Launched the flagship product, Yext PowerListings, and built many of its major components in Java and Play Framework
- Designed and built a direct marketing engine in Python and Django that was instrumental in kick-starting PowerListings
- Built complex front-end components with Google Closure Tools including a hierarchical category selector
- Built interactive C# Silverlight prototypes that informed the product direction of the customer dashboard
- Developed the Yext iPhone app for customers to manage their listings easily on the go

Skills

Mobile	iOS (Objective-C and Swift), Android (Java), Fastlane
Web	JavaScript, TypeScript, CoffeeScript, React, Electron, Next.js, Google Closure Tools
Backend	Go, Java, Node.js, Play Framework, Python, Flask, Django, Protocol Buffers
Infrastructure	MySQL, Redis, Amazon Web Services, Google Cloud Platform, Docker, Chef

Education

Carnegie Mellon University

Pittsburgh, PA

Bachelor of Science in Computer Science | Minor: Robotics | Dean's List

May 2010