Jacob J. Lee

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Seasoned software engineer and architect with years of experience designing and implementing scalable systems from first principles. Startup executive comfortable leading and mentoring a team amidst uncertainty while remaining focused on broader objectives. Passionate about developers and community building.

WORK EXPERIENCE:

Remora Software, LLC, *Founder and CEO*   February 2023-Present
- Architecting and reviewing systems, implementing great software to client specifications
- Providing guidance on roadmaps and execution strategy based on both startup and big tech experiences
- Clients include: Persona (persona.nyc), Combo (joincombo.com)

Autocode, *Co-Founder and CTO*   January 2022-January 2023
         Co-Founder and Chief Architect   November 2016-January 2022
- Built Node.js hosting platform, real-time collaborative editor, and standard library of APIs with autocomplete
  - **600k+ developers**, peak of **21k+ MAU** spending a cumulative **800+ hours/day** writing JS in-editor
  - Routed and ran **120m+ user API requests/day** using AWS Lambda
  - Primary use-cases: Discord + Twitch bots supporting online communities, webhook handlers for Stripe, Shopify, etc., other API integrations with video games e.g., Halo, Roblox, Minecraft, Lost Ark
  - **80%+ of users self-classified as "technical, but not a developer"**
- Mentored, managed, and scaled a team of seven engineers and technical contractors
- Designed and scaled a Discord bot hosting system maintaining **150k+ active socket connections** at peak
- Invented a federated auth system allowing access to 3rd party APIs with a single credential (patent-pending)
- Performed 24-hour primary or backup on-call devops for all systems
- Managed and moderated a vibrant Discord community of nearly **40k developers**
  - Created **Community Hero** program to reduce support load and help create a self-sustaining community
- Owned relationships with partners and vendors like Discord, AWS, Datadog, Cloudflare, and Let's Encrypt
- Sponsored, provided mentorship for, and judged **20+ hackathons** for college students and professionals
- Assisted with fundraising (**$11m+ total**), hiring, and HR processes, spoke at conferences, wrote content, handled abuse & DOS attacks, and all the other small things necessary to run a business!

Google, *Software Engineer, Google Photos Web*   August 2015-November 2016
- Helped get the right photos to the right people by building intuitive sharing features
- Created a smooth commenting experience within shared albums and photos
- Added many other contributions to app with **300m+ MAU** as of 2016, **1b+ MAU** currently

OPEN SOURCE CONTRIBUTIONS:

Nodal   https://github.com/keithwhor/nodal
- Rails-like Node.js API framework with powerful ORM, middleware, and migrations

FunctionScript   https://github.com/acode/functionscript
- Language and specification turning JavaScript functions into typed HTTP APIs
- Includes type-checking, error handling, example HTTP request translation/routing layer

Autocode CLI   https://github.com/acode/cli
- Command line tools for local development, testing, and deployment to the Autocode platform

TECHNICAL SKILLS:
- Significant experience with: Node.js, JavaScript, Vue.js, SQL, API design, and much of the AWS ecosystem including Lambda, DynamoDB, Elasticache, Aurora, SQS, Elastic Beanstalk, Kinesis Firehose
- Some experience with: Elixir, Typescript, Python, React Native, GraphQL, Prisma

EDUCATION:

Princeton University, Princeton, NJ   June 2015
     A.B. in Computer Science, Cum Laude