Thanh (Ethan) Nguyen

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SUMMARY

- Experienced software professional with 11+ years in the tech industry, primarily in start-up environments.
- Proficient in **Elixir**, **Python**, **Ruby** & **TypeScript**, with a keen interest in Go, Rust & WebAssembly.
- Skilled in back-end development, complemented by solid familiarity with front-end technologies.

EXPERIENCE

Senior Software Engineer @ **Onfido** (London, UK) — Aug 2020 - Present

- Collaborated on various backend services to tackle fraud analysis, detection, and prevention at a large scale, handling tens of millions of end-user records monthly. Involved in designing data pipelines, event-driven architecture, and system scaling and monitoring.
- Played a key role in enhancing the image and video capture experience and quality for the Onfido Web SDK. This improvement led to a 5-10% reduction in drop-off rates and a 10-30% increase in pass rates.

Senior Software Engineer @ **Pi-top** (Remote) — Sep 2019 - Jul 2020 (11mo)

- Developed new features in both backend and frontend for Further, a learning-by-making platform on top of Raspberry Pi hardware devices.
- Collaborated with stakeholders to clarify requirements from thousands of teachers and students in North America and Europe, contributing to the improvement of project structure, performance, and team work process.

Senior Software Engineer @ **WeFit** (Hanoi, Vietnam) — Aug 2016 - Aug 2019 (3yr)

- Led the architecture and design of the WeFit mobile application, an online-to-offline platform connecting users with local fitness studios. Successfully served over 200,000 users with 2000+ daily active users.
- Developed robust web-based tools to efficiently manage a high volume of user bookings and revenues, supporting 10,000+ bookings and working with 300+ fitness partners on a monthly basis.

Dev Lead @ **TOPICA Edtech Group** (Hanoi, Vietnam) — Aug 2014 - Aug 2016 (2yr 1mo)

- Oversaw the Operations department of 30 members, facilitating seamless collaboration between 200+ instructors to curate and deliver 500+ video courses on Edumall, a prominent short-course learning platform.
- Spearheaded a talented development team of 10 individuals, successfully delivering and launching Web, iOS, and Android applications for Memo, an innovative English learning product. Empowered over 150,000 users, achieving a daily active user base of 3000+.

Mobile Developer @ **Vinova Pte. Ltd.** (Hanoi, Vietnam) — Aug 2012 - Sep 2014 (2yr 2mo)

- Led a team of 3 to develop 5 different mobile applications for Singapore marketplace.
- Provided technical guidance to customers, ensuring optimal technology choices and proactively maintained and upgraded the products.

Undergrad @ **Vietnam National University, Hanoi** — Aug 2009 - May 2013 (3yr 10mo)

- Bachelor's Degree, Computer Science.

SKILLS

Programming languages
- **Python, Elixir,** (2019-)
- **Go** & **Rust** (2021-)
- **JavaScript, TypeScript** & **Ruby** (2016-)
- **Objective-C, Java SE, C++** (2012-2015)

Frameworks & Tools
- **React.js, Redux.js** & **Next.js** (2016-)
- **Phoenix** & **Ecto** (2020-)
- **GraphQL** (2019-)
- **Flask** & **AioHttp** (2020-)
- **Ruby on Rails** (2012-2014 & 2016-)

Databases & Data pipelines
- **PostgreSQL** (2016-)
- **Redis** (2020-)
- **MongoDB** (2012-2016 & 2019-2020)
- **Snowflake** & **Looker** (2020-)

Infrastructure
- **AWS** (SNS, SQS, S3, Firehose, Lambda) (2018-)
- **Kubernetes** & **Terraform** (2019-)
- **Linux**: Arch Linux, Ubuntu, Debian (2010-)
- **Docker** (2016-)
- **GCP** (2019-2020)

Testing
- **Jest** & **Selenium** (2016-)
- **Pytest** (2020-)
- **Rspec** (2019-)
- **K6.io** (2020-)

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