

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**.
- Interested 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

- Working across multiple backend services to help analyze, detect and prevent frauds at scale in tens of millions of end-user records per month, involving data pipeline, event-driven architecture and system scaling & monitoring.
- Contributed to improving image & video capture experience and quality for the Onfido Web SDK that helped reduce drop-off by 5-10% and increase pass rate by 10-30%.

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.
- Worked with stakeholders to clarify requirements from thousands of teachers and students in North America and Europe.
- Contributed to improving the project's structure and performance, as well as the team's work process.

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

- In charge of the architecture and the design of WeFit mobile application, an online-to-offline platform which connects users and local fitness studios, serving 200,000+ users with 2000+ DAUs.
- Built web-based tools which manage 10,000+ user bookings and revenues for 300+ fitness partners monthly.

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

- Managed Operations department of 30 to connect 200+ instructors and create 500+ video courses for Edumall, a short-course learning platform.
- Led development team of 10 to build and launch Web, iOS and Android applications for Memo, an English learning product, serving 150,000+ users with 3000+ DAUs.

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.
- Advised customers on choosing proper technical stacks and decisions, maintained and upgraded the products on request.

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-)