

THANH (ETHAN) NGUYEN

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SYNOPSIS

- Passionate about creating awesome products that help plenty of people improving their lives.
- 10+ years of experience in the software industry, mostly tech start-ups.
- Speaking **Elixir**, **Python**, **Ruby** & **TypeScript**.
- Interested in **Go**, **Rust** & **WebAssembly**.

CHANGELOG

Aug 2020 - Present	Senior Software Engineer @ Onfido (London, UK) <ul style="list-style-type: none">• 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%.
Sep 2019 - Jul 2020 (11m)	Senior Software Engineer @ Pi-top (UK Remote) <ul style="list-style-type: none">• 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.
Aug 2016 - Aug 2019 (3y)	Senior Software Engineer @ WeFit (Hanoi, Vietnam) <ul style="list-style-type: none">• 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.
Aug 2014 - Aug 2016 (2y 1m)	Dev Lead ⇒ Head of Operations @ TOPICA Edtech Group (Hanoi, Vietnam) <ul style="list-style-type: none">• 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.
Aug 2012 - Sep 2014 (2y 2m)	Mobile Developer ⇒ Dev Lead @ Vinova Pte. Ltd. (Hanoi, Vietnam) <ul style="list-style-type: none">• 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.
Aug 2009 - May 2013	Undergrad @ Vietnam National University, Hanoi (Hanoi, Vietnam) Bachelor's Degree, Computer Science.

COMMANDS

Programming languages	<ul style="list-style-type: none">• Python (2019-)• Elixir (2020-)• Ruby (2012-2014 & 2016-)• JavaScript/TypeScript (2016-)• Go & Rust (2021-)• Objective-C (2012-2015)• Java SE (2012-2014)• C++ (2009-2013)
Frameworks & Tools	<ul style="list-style-type: none">• React.js/Redux.js/Next.js (2016-)• Flask & AioHttp (2020-)• Elixir Phoenix (2020-)• Ruby on Rails (2012-2014 & 2016-)• GraphQL (2019-)
Databases & Data pipelines	<ul style="list-style-type: none">• PostgreSQL (2016-)• MongoDB (2012-2016 & 2019-2020)• Redis (2020-)• Snowflake & Looker (2020-)
Testing	<ul style="list-style-type: none">• Jest/Selenium (2016-)• Rspec (2012-2014 & 2016-)• Pytest (2020-)• K6.io (2020-)
Infrastructure	<ul style="list-style-type: none">• AWS (SNS, SQS, S3, Firehose, Lambda, Kinesis) (2018-)• Docker (2016-)• Kubernetes (2019-)• Terraform (2019-)• GCP (2019-2020)• Linux (2010-)• macOS (2013-2020)

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