

# THANH (ETHAN) NGUYEN

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London, UK

## SUMMARY

- Experienced software professional with 12+ years in the tech industry.
- Proficient in **Python**, **TypeScript** & **Ruby**, with a keen interest in **Rust**, **Go** and **C++**.
- Skilled in back-end development, complemented by solid familiarity with front-end technologies.

## EXPERIENCE

**Senior Software Engineer @ Orca Security** (London, UK) June 2023 - Present

- As part of Context Analysis team, I contributed to building solutions based on Graph Database (using AWS Neptune, Apache TinkerPop and Apache Gremlin), which is a foundational building block for Cloud security analysis.

**Skills:** Python, PostgreSQL, AWS Neptune, Apache TinkerPop, Apache Gremlin, Kubernetes, Terraform.

**Senior Software Engineer @ Onfido** (London, UK) Aug 2020 - June 2023 (2yr 11mo)

- 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.

**Skills:** Python, Elixir, Ruby on Rails, TypeScript, PostgreSQL, AWS, Kubernetes, Terraform, Snowflake, Looker.

**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.

**Skills:** Loopback.js, Python, MongoDB, React.js, Redux.js, GraphQL, GCP, Kubernetes, Docker, Terraform.

**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.

**Skills:** Next.js, Ruby on Rails, PostgreSQL, React.js, Redux.js, Open API, Docker, Mentoring.

**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+.

**Skills:** Leadership, Management, Negotiation, Mentoring, Objective-C, Ruby on Rails, MongoDB.

**Mobile Developer @ Vinova Pte. Ltd.** (Hanoi, Vietnam)

Aug 2012 - Sep 2014 (2yr 2mo)

- Successfully led a team of 3 in the development of 5 diverse mobile applications catering to the Singapore marketplace.
- Demonstrated expertise in providing valuable technical guidance to customers, facilitating optimal technology selections, and taking proactive measures to maintain and upgrade products.

**Skills:** iOS/Objective-C, Android/Java SE, Cocos2d, Ruby on Rails, MongoDB, Sencha Touch.

**Undergrad @ Vietnam National University, Hanoi**

Aug 2009 - May 2013 (3yr 10mo)

- Bachelor's Degree, Computer Science.

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