THANH (ETHAN) NGUYEN

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London, UK

SUMMARY

- Experienced software professional with 12+ years in the tech industry.
- Skilled in back-end development, complemented by solid familiarity with front-end technologies.
- Proficient in designing and implementing reliable & scalable systems in Cloud Native environments.

SKILLS

- **Programming Languages**: Python, TypeScript, Elixir, Go, Rust, C++.
- **Databases**: PostgreSQL, DynamoDB, MongoDB, AWS Neptune & Apache TinkerPop.
- **Cloud Native Environments**: AWS (Amazon Web Service), GCP (Google Cloud Platform), Kubernetes, Docker, Terraform.
- **Message Queues**: AWS SQS (Simple Queue Services), Apache Kafka.
- **Web Framework**: Python Django & Flask, React.js & Next.js.

EXPERIENCE

Senior Software Engineer @ Orca Security (London, UK)　　　June 2023 - Feb 2024 (9mo)

- Contributed to building solutions based on Graph Database (using Apache TinkerPop & Gremlin) as part of Context Analysis team, which is a foundational building block for Cloud Security Analysis.
- Skills: Python (Django), AWS, Kubernetes, PostgreSQL, AWS Neptune & Apache TinkerPop.

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 (Flask), Ruby on Rails, Elixir, AWS, Kubernetes, PostgreSQL, React.js & TypeScript.

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

- Developed new features in both backend and frontend (using React & Redux) 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: Python, TypeScript (Loopback.js), GCP, Kubernetes, MongoDB, React.js & GraphQL.

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: TypeScript, Ruby on Rails, Python, PostgreSQL, React.js, Next.js & React Native.

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: Ruby on Rails, MongoDB, Objective-C, Swift.

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: Objective-C, C++, iOS.

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

- Bachelor's Degree, Computer Science.

PORTFOLIO

- **ethanify.me**: Personal home page.
- **xkpasswd.github.io**: XKCD password generator, written in Rust with supports for Wasm.
- **github.com/ethan605/aws-vpn-client**: AWS VPN Client, written in Go.

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