

Jonny Ngo Luong

SECURITY ADVOCATE & CONSULTANT

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Summary

I am a software developer specializing in building user-centered solutions that prioritize intuitive design and a seamless user experience across both web and mobile platforms. I enjoy combining creativity with problem solving, which has led me to continuously explore new technologies, refine my skills, and adopt best practices to grow as a developer.

Beyond software development, I am also a cyber-security enthusiast. I actively compete in Capture the Flag (CTF) competitions alongside my fellow Norwegian teammates from Iku-toppene, bootplug, Corax, and RumbleInTheJungle. These competitions not only challenge my technical abilities but also fuel my curiosity and passion for learning in the ever-evolving field of cybersecurity.

Skills

Languages	JavaScript (ES6+), TypeScript, Dart, Python, HTML5, CSS3, SCSS, PHP, Java, Bash, C#
Frameworks	Flutter, Nodejs, React, Next.js, Svelte, JQuery, Django, Maven, JavaFX, .NET Core
Technologies	Figma, Git, Vite, Heroku, Vercel, Linux, Windows, WSL2, MongoDB, MySQL, PostgreSQL, sqlite3, Supabase, Firebase
Cybersecurity	information gathering & reconnaissance, application testing, web hacking, reverse engineering
Others	<ul style="list-style-type: none">• Good understanding of OOP methodologies, and design architecture and patterns• Experience in user-centered design and development• Experience in setting up IaC, CI/CD pipelines, dockerizing systems and general DevOps practices

Relevant Experience

Omegapoint Norge

Oslo, Norway

SECURITY ADVOCATE & CONSULTANT

Sep. 2023 - Present

- Participated in security reviews, involving in practices such as code auditing and penetration testing.
- Acted as a security advocate focusing on application security, infrastructure hardening, and cybersecurity awareness. Delivered internal and external knowledge-sharing sessions through talks, courses, and workshops.
- Directed and organized both internal and external Capture the Flag (CTF) cybersecurity events, overseeing planning, infrastructure setup, challenge creation, and Azure-based operations.
- Served as both a developer and team lead in multiple projects, leading and managing the full development lifecycle on many, while taking the operational responsibilities on some.
- *Technologies:* Flutter, Kotlin, Swift, Nextjs, .NET, Azure, Ansible, Bicep, Docker, Python, Figma, Git, Agile methodologies

ITverket AS

Oslo, Norway

IT CONSULTANT (SUMMER INTERNSHIP)

Jun. 2022 - Aug. 2022

- Developed multiple dashboards visualizing the system status for various IT systems through data parsing of millions of log events.
- Designed and consulted out the overall look and feel of the dashboards in Figma based on a low-fidelity mockup given by the stakeholders.
- Worked in an agile team of five, including a Scrum Master, using the Scrum methodology.
- *Technologies:* Splunk, Azure DevOps, Python, Git, HTML5, CSS3, JQuery, Javascript, C#, .NET Core

Volunteer Work @ Itemize

Trondheim, Norway

IT OPERATIONS (ITOps)

Feb. 2022 - Mar. 2023

- Developed, designed, and maintained several web-related projects used by the members of Itemize at NTNU.
- Maintained the IT infrastructure of Itemize hosted on NTNU's SkyHiGh platform (OpenStack-based).
- Managed system operations including weekly maintenance, monitoring, and updates across multiple VMs and Docker containers.
- *Technologies:* Svelte, Sapper, Docker, Kubernetes, Portainer, Nginx, MongoDB, OpenStack

Norges teknisk-naturvitenskapelige universitet (NTNU)

Trondheim, Norway

STUDENT TEACHING ASSISTANT

- IIK3100 - Ethical Hacking and Penetration Testing - (Aug 2022 - Nov 2022)
- TDT4100 Object-Oriented Programming - (Jan 2022 - May 2022)
- TDT4109 Information Technology, Introduction - (Aug 2021 - Nov 2021)
- TDT4110 Information Technology, Introduction - (Aug 2020 - Nov 2020)

Education

Norges teknisk-naturvitenskapelige universitet (NTNU)

Trondheim, Norway

MASTER OF SCIENCE, INFORMATICS - SOFTWARE ENGINEERING

2021 - 2023

- Scientific competence in Software systems, with a focus on Agile methodologies, user-centred design and UX/UI work.
- Grade: B

Norges teknisk-naturvitenskapelige universitet (NTNU)

Trondheim, Norway

BACHELOR'S DEGREE, INFORMATICS

2019 - 2021

- Completed the bachelor's (degree) program in two years, took courses with focus on agile development, network and cybersecurity.
- Grade: B

Lillehammer videregående skole Avdeling Sør

Lillehammer, Norway

HIGH SCHOOL, STUDIESPESIALISERING - REALFAG

2016 - 2019

- Matematikk 1T + R1 + R2
- Fysikk 1 + 2
- Informasjonsteknologi 1 + 2
- Programmering og modellering X

Courses, workshops and talks

Pyjail workshop

Oslo, Norway

WORKSHOP

2025

- Real-world LLM code hacking, focusing primarily on Python sandbox and jail escape methods. Practical exercise through CTF.

Hacker's toolbox

Oslo, Norway

WORKSHOP

2024

- Introduction to various tools and some debugging tips for developers from a hacker's perspective. Additional practical exercise through CTF challenges that showcase the usage of each demonstrated tool.

OWASP 10 CTF

Oslo, Norway

WORKSHOP

2024

- Introduction to the current OWASP top 10, with focus on practical real-world examples and vulnerabilities in different systems and codebases. Practical exercise through CTF.

Bash go brrr!

Oslo, Norway

TALK

2024

- Talk at LoKoko (Omegapoint's internal conference) on automating chores with scripting and the beauty of using CLIs for development.

Kommandolinjekurs

Oslo, Norway

COURSE

2024

- A gamified course introducing developers to the world of CLI and terminal usage.

Capture The Flag and the Benefit it can give Developers

Oslo, Norway

TALK

2023

- Lightning talk at LoKoko (Omegapoint's internal conference) on a quick journey through the world of Capture The Flag and its relation to secure development.

CTF achievements

Cyberlandslaget (NCSC) 2025 semi-finals, 1st place - senior division

Online

INDIVIDUAL

2025

x3CTF 2025 (feat. mvm), 2nd place - open division

Online

IKU-TOPPENE + THE NIO MERGER TEAM

2025

Blue Water CTF 2024, 6th place - open division

Online

IKU-TOPPENE

2024

DefCamp 2024 CTF finals, 12th place - open division

Bucharest, Romania

IKU-TOPPENE

2024

EPT CTF 2024, 8th place - open division	<i>Oslo, Norge</i>
IKU-TOPPENE	2024
Telia Cyber Battle of Nordic-Baltics 2024 finals, 2nd place - open division	<i>Tartu, Estonia</i>
IKU-TOPPENE	2024
Telia Cyber Battle of Nordic-Baltics 2024 quals, 1st place - open division	<i>Online</i>
IKU-TOPPENE	2024
DefCamp 2024 CTF quals, 8th place - open division	<i>Online</i>
IKU-TOPPENE	2024
Wani CTF 2024, 1st place - open division	<i>Online</i>
IKU-TOPPENE	2024
RITSEC CTF 2024, 1st place - open division	<i>Online</i>
IKU-TOPPENE	2024
UNbreakable International 2024, 1st place - open division	<i>Online</i>
IKU-TOPPENE	2024
1753CTF 2024, 2nd place - open division	<i>Online</i>
IKU-TOPPENE	2024
Pearl CTF, 2nd place - open division	<i>Online</i>
IKU-TOPPENE	2024
Cyberlandslaget (NCSC) 2024 semi-finals, 1st place - senior division	<i>Oslo, Norway</i>
INDIVIDUAL	2024
DEF CON 32 CTF quals, 15th place - open division	<i>Online</i>
NORSECODE	2024
DefCamp 2023 CTF finals, 5th place - open division	<i>Bucharest, Romania</i>
IKU-TOPPENE	2023
EPT CTF 2023, 2nd place - open division	<i>Oslo Event Hub, Norway</i>
IKU-TOPPENE	2023
Internet Festival 2023 CTF finals, 3rd place - open division	<i>Pisa, Italia</i>
IKU-TOPPENE	2023
Crowdsec's Alpaca Odyssey 2023, 1st place - open division	<i>Paris, France</i>
NTNU S2G	2023
DEF CON 31 CTF, 6th place - open division	<i>Las Vegas, USA</i>
NORSECODE	2023
Cyberlandslaget (NCSC) 2023 semi-finals, 2nd place - senior division	<i>Online</i>
INDIVIDUAL	2023
TG:Hack 23, 3rd place - open division	<i>Hamar, Norway</i>
CORAX	2023

ZeroDays CTF 2023, 1st place - open division

NTNU S2G

Dublin, Ireland

2023

M0lecon 2022 finals, 6th place - open division

BOOTPLUG

Politecnico di Torino, Italia

2022

EPT CTF 2022, 1st place - student division

IKU-TOPPENE

Rebel Oslo, Norway

2022

Norwegian Cyber Security Challenge (NCSC) 2022 finals, 2nd place - senior division

INDIVIDUAL

Gjøvik, Norway

2022

Hack The Box: Cyber Apocalypse CTF 2022 - Intergalactic Chase, 8th place - open division

BOOTPLUG

Online

2022

Tenable CTF 2022, 3rd place - open division

CORAX

Online

2022

DEF CON 29 Red Team Village CTF 2021 finalist

CORAX

Online

2021

DEF CON 28 Red Team Village CTF 2020 finalist

CORAX

Online

2020