

Navindu D. Madanayaka

SOFTWARE ARCHITECT · SECURITY EXPERT

47/B, Mugalan Road, Kirulapana, 00600, Sri Lanka

☎ (+94) 77-280-7076 | ✉ navindumd@gmail.com | 🏠 | 📷 nzx9 | 🌐 navindu-dananga

Education

SLTC(Sri Lanka Technological Campus)

B.SC. ELECTRONICS AND TELECOMMUNICATION ENGINEERING

Padukka, Sri Lanka

Apr. 2018 - PRESENT

Isipathana College

G.C.E ADVANCE LEVEL

Colombo, Sri Lanka

2017

Skills

DevOps AWS, Docker, Kubernetes, Rancher, Vagrant, Packer, Terraform, Jenkins, CircleCI

Back-end Koa, Express, Django, REST API

Front-end Hugo, Redux, React, HTML5, LESS, SASS

Programming Node.js, Python, JAVA, OCaml, LaTeX

Languages Korean, English, Japanese

Experience

Sri Lanka Telecom (PVT) Ltd.

R&D ENGINEER (TRAINEE)

Colombo, Sri Lanka

Apr. 2022 - PRESENT

- Develop machine learning modules for Raccoon-AI platform
- Create API endpoints for Raccoon-AI platform to interact with other systems
- Security improvements added to the platform

Netlanka Engineering Services (PVT) Ltd.

INTERN

Battaramulla, Sri Lanka

Mar. 2022 - Apr. 2022

- Prepare UAT documents for the telecommunication tower installations

Huawei Technologies Lanka Co. Ltd.

TRAINEE INTERN

Colombo, Sri Lanka

Feb. 2020 - Mar. 2020

- Working on the PAT digitalization project

Extracurricular Activity

B10S (B1t On the Security, Underground hacker team)

CORE MEMBER

S.Korea

Nov. 2011 - PRESENT

- Gained expertise in penetration testing areas, especially targeted on web application and software.
- Participated on a lot of hacking competition and won a good award.
- Held several hacking competitions non-profit, just for fun.

WiseGuys (Hacking & Security research group)

MEMBER

S.Korea

Jun. 2012 - PRESENT

- Gained expertise in hardware hacking areas from penetration testing on several devices including wireless router, smartphone, CCTV and set-top box.
- Trained wannabe hacker about hacking technique from basic to advanced and ethics for white hackers by hosting annual Hacking Camp.

PoApper (Developers' Network of POSTECH)

CORE MEMBER & PRESIDENT AT 2013

Pohang, S.Korea

Jun. 2010 - Jun. 2017

- Reformed the society focusing on software engineering and building network on and off campus.
- Proposed various marketing and network activities to raise awareness.

PLUS (Laboratory for UNIX Security in POSTECH)

Pohang, S.Korea

MEMBER

Sep. 2010 - Oct. 2011

- Gained expertise in hacking & security areas, especially about internal of operating system based on UNIX and several exploit techniques.
- Participated on several hacking competition and won a good award.
- Conducted periodic security checks on overall IT system as a member of POSTECH CERT.
- Conducted penetration testing commissioned by national agency and corporation.

MSSA (Management Strategy Club of POSTECH)

Pohang, S.Korea

MEMBER

Sep. 2013 - Jun. 2017

- Gained knowledge about several business field like Management, Strategy, Financial and marketing from group study.
- Gained expertise in business strategy areas and insight for various industry from weekly industry analysis session.

Certifications

INTERNATIONAL

2018	Finalist , DEFCON 26th CTF Hacking Competition World Final	Las Vegas, U.S.A
2017	Finalist , DEFCON 25th CTF Hacking Competition World Final	Las Vegas, U.S.A
2014	Finalist , DEFCON 22nd CTF Hacking Competition World Final	Las Vegas, U.S.A
2013	Finalist , DEFCON 21st CTF Hacking Competition World Final	Las Vegas, U.S.A
2011	Finalist , DEFCON 19th CTF Hacking Competition World Final	Las Vegas, U.S.A
2012	6th Place , SECUINSIDE Hacking Competition World Final	Seoul, S.Korea

DOMESTIC

2015	3rd Place , WITHCON Hacking Competition Final	Seoul, S.Korea
2017	Silver Prize , KISA HDCON Hacking Competition Final	Seoul, S.Korea
2013	Silver Prize , KISA HDCON Hacking Competition Final	Seoul, S.Korea
2013	2nd Award , HUST Hacking Festival	S.Korea
2010	3rd Award , HUST Hacking Festival	S.Korea
2012	3rd Award , Holyshield 3rd Hacking Festival	S.Korea
2011	2nd Award , Holyshield 3rd Hacking Festival	S.Korea
2011	5th Place , PADOCON Hacking Competition Final	Seoul, S.Korea

Presentation

DevFest Seoul by Google Developer Group Korea

Seoul, S.Korea

PRESENTER FOR <HOSTING WEB APPLICATION FOR FREE UTILIZING GITHUB, NETLIFY AND CLOUDFLARE>

Nov. 2017

- Introduced the history of web technology and the JAM stack which is for the modern web application development.
- Introduced how to freely host the web application with high performance utilizing global CDN services.

6th CodeEngn (Reverse Engineering Conference)

Seoul, S.Korea

PRESENTER FOR <DEFCON 20TH : THE WAY TO GO TO LAS VEGAS>

Jul. 2012

- Introduced CTF(Capture the Flag) hacking competition and advanced techniques and strategy for CTF

6th Hacking Camp - S.Korea

S.Korea

PRESENTER FOR <METASPLOIT 101>

Sep. 2012

- Introduced basic procedure for penetration testing and how to use Metasploit

Certifications

Open Source Software Development, Linux and Git Specialization

The Linux Foundation

CREDENTIAL ID: APAKS5F5Q9GH

Oct. 2020

Linux Tools for Developers

The Linux Foundation

CREDENTIAL ID: HCUKSWNG2B4B

Oct. 2020

Introduction to Embedded Systems Software and Development Environments

University of Colorado (@Coursera)

CREDENTIAL ID: C3KPBHRTD2DR

Oct. 2020

Linux for Developers

CREDENTIAL ID: 3UCUH4KQMJQN

The Linux Foundation

Oct. 2020

Using Git for Distributed Development

CREDENTIAL ID: FVNZ4PWCUMDH

The Linux Foundation (@Coursera)

Oct. 2020

Open Source Software Development Methods

CREDENTIAL ID: DD2JM8X4CMS3

The Linux Foundation (@Coursera)

Sep. 2020

Architecting with Google Kubernetes Engine: Foundations

CREDENTIAL ID: 2SG7DPPGN34

Google Cloud (@Coursera)

Aug. 2020

Google Cloud Platform Fundamentals: Core Infrastructure

CREDENTIAL ID: 39V8GYR6G9XN

Google Cloud

Sep. 2020

M001: MongoDB Basics

CREDENTIAL ID: 31F1F31A-F4QF-4DF8-9A91-92D4682671BB

MongoDB

May. 2020

Program Committees

- 2016 **Problem Writer**, 2016 CODEGATE Hacking Competition World Final
- 2013 **Organizer & Co-director**, 1st POSTECH Hackathon
- 2012 **Staff**, 7th Hacking Camp
- 2012 **Problem Writer**, 1st Hoseo University Teenager Hacking Competition
- 2012 **Staff & Problem Writer**, JFF(Just for Fun) Hacking Competition

S.Korea

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