

# PEERANAT OUNHANAN

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3+ years of expertise in software development as a Full stack Developer developing a web application using Next.js and Express.js. | Experience with cloud services like as Microsoft Azure, GCP, and AWS to design a cloud-based solution. Now I'm interested in cybersecurity and devsecops to increase application security.

## SPECIALTIES

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- Developer : Next.js, SCSS, Tailwind CSS, Typescript, Docker, Redux, Styled-components, Node.js, Python and Java
- DevSecOps : GitOps, Secure SDLC, Jenkins, Checkmarx, Prisma Cloud, ArgoCD, HELM, HashiCorp Vault and BurpSuite
- Cloud service
  - Microsoft Azure : Azure App Service, Azure Static Web App, Azure Database for PostgreSQL, Azure Container Registry, Azure Kubernetes Service, Azure Entra ID and Azure Defender for Cloud
  - GCP : Google Container Registry, Google Compute Engine, Google Cloud SQL and Google Kubernetes Engine
- Problem Solving, Communication, Public Speaking, Design Thinking, Growth Mindset and Leadership in Agile
- B1 English level (intermediate)

## WORK EXPERIENCES

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### DevSecOps Engineer (Internship)

June 2023 – July 2023

True Digital Group

- Understanding the DevSecOps culture and how it works by applying the Secure Software Development Life Cycle and the OWASP Top 10 to convert a two three-tier legacy web application into a microservice app improves application security before releasing an application in 8 weeks.
- Provisioning and maintaining a Kubernetes Cluster as a Kubernetes Admin on GCP (GKE, GCE).
- Implementing a DevSecOps Pipeline by using Jenkins, Helm, ArgoCD, GCR, and GKE to create an automated CI/CD pipeline and improve application security by migrating hardcode credentials from source code to HashiCorp Vault (Secret Management) and using SCA (Checkmarx), SAST (PrismaCloud), and DAST (BurpSuite Enterprise) to scan for vulnerabilities and fix vulnerabilities discovered by scanning from 10 high vulnerability to 0.

### Full Stack Developer (Full-time)

April 2021 – Present

Buff Technology

- Design and Develop 3 web applications using React.js for frontend also learning using redux to manage state in react, using node.js and Laravel for backend to building RESTful API, and PostgreSQL for the database. These applications help 2 public sectors The Bureau of Royal Scribes and Royal Decoration and The Hydrographic Department Royal Thai Navy to reduce complex processes to streamline the working.
- Understanding consumer pain points and developing solutions through design to improve the user experience for users to easily use will enable Thai government officers who need to access information from two public sectors can easily use.
- Learning and Using the OWASP Application Security Verification Standard (ASVS) to ensure standard quality and security of applications.

### Gold Microsoft Learn Student Ambassador (Community)

July 2021 – Present

Microsoft Learn Student Ambassadors (Microsoft)

Lead Thai student developer communities and Thai Student Ambassadors. Empower students to become citizen developers by host workshops, write tutorials, and conduct events (Microsoft Azure and GitHub). Impact on Thai students by conduct 50 events with 5,000+ student attendees overpassed year.

## EDUCATION

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### Bangkok University

Pathum Thani, Thailand

Bachelor of Science in Computer Science (Cybersecurity and Data Science)

2020 - Present

Expected Graduation in May 2024. **GPAX 3.98**

## ACTIVITIES

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### Young Webmaster Camp #19

July 2023

TWA and Jitta

I was chosen from 400 applicants as one of 20 finalists to join the YWC#19 Camp Programming Team to build a sustainable project connected to the SDGs over a duration of four days and three nights.

### CTF Monitoring Team Leader

October 2021

National Cyber Security Agency of Thailand

The team leader monitors participants in Thailand Cyber Top Talent 2021 by National Cyber Security Agency of Thailand.

## Developer Webinar

October 2021

Microsoft Thailand

Video recording of an introduction to web development and deployment of static web into Azure Static Web Apps. This video will be available in the first quarter of 2022 for training purposes for those who need to learn about web development and how to publish static web to Azure Static Web Apps.

## AWARDS

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### Winner BUxBerkeleySKYDECK Mini Hackathon Food Tech Startup

February 2023

Bangkok University and Berkley SKYDECK

Our team participated in and won first place in a Mini Hackathon Food Tech Startup hosted by Bangkok University and Berkeley SKYDECK in the Food Tech topic, which had 11 teams and 55 participants.

### 6<sup>th</sup> place in Final round Palo Alto Networks Capture The Flag, Capture the Future Competition 2022

November 2022

Palo Alto Networks Thailand

In the Captain role, Responsible for designing a strategy for a team to solve red and blue team problems. The red team used OWASP top 10 penetration testing tools and Cortex XDR to investigate logs to find solutions to blue team problems.

### 10<sup>th</sup> place with STDiO CTF Competition 2022

November 2022

2600 Thailand

Using OWASP TOP 10, Ethical hacking domain, and penetration testing tools for capture the flag competition such as Kali, Nmap, Burp suite, SQL Map, Metasploit, Cyberchef, GhIDA, and so on.

### RUNNER-UP RE:THINK WITH Microsoft

October 2022

CHOICEISYOURS (BMW, SCG, Microsoft and CHAIPATTANA FOUNDATION)

### Bangkok University Full Scholarship (BU Creative)

April 2022

Bangkok University

## PROJECT

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**Odisea** – Find diving and surfing website

Project Manager & Full Stack Developer

- Lead a developer team at a university to develop a website for finding diving and surfing locations all over the world using the Software Development Life Cycle (SDLC) and Agile.
- Design a system architecture and use Azure for development. For the host project, we use Azure app service, which uses an image container from Container Registry. In addition, Azure Database is used for PostgreSQL database, and Firewall rules are implemented to allow IP addresses access.
- Using Azure DevOps to automate the deployment of container web app ci/cd pipelines to Azure app services.

### [Git101 and GitHub](#)

Write an article about git fundamentals and tutorial how to use git integration with GitHub, this article reaches students and developers who are interested in git more than 1,500+ views that can help them improve their skill and knowledge about git.

## LICENSES & CERTIFICATIONS | [See All Digital Badges](#)

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### Microsoft

- Microsoft Certified: Azure Security Engineer Associate
- Microsoft Certified Trainer
- Microsoft Certified: Security, Compliance, and Identity Fundamentals
- Microsoft Certified: Azure Fundamentals
- Microsoft Certified: Azure Data Fundamentals
- Microsoft Certified: Azure AI Fundamentals
- Microsoft Certified: Power Platform Fundamentals

### Oracle

- Oracle Cloud Infrastructure Foundations 2021 Associate

### Security

- EC-Council Certified Security Specialist | ECSS
- CompTIA Security



## ADDITIONAL INFORMATION

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- GitHub : <https://github.com/iiceburg>