

Andre Kurnia, DevSecOps Specialist

BSD City, South Tangerang, Banten, South Tangerang, 15323, Indonesia, +62 811 222 5710, hello@andrekurnia.com

Date of birth	24 March 1998	Nationality	Indonesia
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LINKS	Personal Website , Medium , LinkedIn , Twitter , Gitlab , Github
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PROFILE	<p>Focusing my career journey as a DevSecOps Specialist was my best choice that I've ever did in my life. I love to explore new technologies especially when it involves architecture and kernel that makes every applications or services that deployed working more efficient, and more customization can be adjusted based on what the company needs. Exploring a lot of tools that helps us to work more efficient is one of my daily thing to do.</p> <p>Despite exploring experience, I can pour my creative thinking through various forms as well. Sometimes it formed as diagram with various tools and functions that needed for different types of scenarios or it might be formed as automation that I personally enjoyed to hard-coded using bash-script (mostly since most of the operating system runs in Linux) that gives a lot of positive impact in performance efficiency.</p>
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FULL-TIME EMPLOYMENT HISTORY

Jun 2023 — Present	Sr. DevSecOps Consultant, Packet Systems Indonesia	Jakarta
	<p>Delivering robust & secure software solutions through the seamless integration of development, security, and operations practices. It involves collaborating with development teams, security professionals, and operations personnel to ensure the end-to-end security and efficiency of software systems. As a trusted advisor and subject matter expert, providing guidance and implementing best practices for secure software development methodologies I lead efforts to embed security controls and principles throughout the software development life-cycle, including requirements gathering, design, implementation, testing, deployment, and maintenance.</p> <p>Handled & certified with a lot of tools such as DynamicApps, Fortify products, HashiCorp products, and a lot of CI/CD tools that mainly used as our part of solution services. Mainly using Microsoft Azure for cloud solution services and I handled AI as well that mainly using running in Azure as well.</p>	
Feb 2023 — Present	Sr. DevSecOps Specialist, Xurya Daya Indonesia	Jakarta
	<p>After a year making progress by deploying a lot of tools that enhance security, and making the flow of SDLC better through a lot of automation, the goal haven't reached yet (ISO 27001). Despite ISO certification, we were having a lot of challenge to make a new major standards of code architecture and the architecture system itself. Organizational and management skills were important to make all the plants executable without any bottleneck that might suffered whole flow of the plan.</p> <p>A lot of products that offered by Google Cloud such as Cloud Run, Cloud Functions were implemented. To enabled our multicloud system, we were implementing Cloud Build and Anthos to make it possible. We were implementing multi-cloud also as in required for disaster recovery as well (Amazon Web Services).</p>	
Apr 2022 — Feb 2023	DevSecOps Specialist, Xurya Daya Indonesia	Jakarta
	<p>After I finished my probation period as DevOps in Xurya, I was trusted by BoDs to handle security aswell which leads a moment where DevSecOps title was given that day. The main goal was also given which are enabling and enhancing security environment for Xurya. The other goal that we wanted to achieve is the ISO 27001 standard.</p> <p>Cloud security enhanced by using Sonarqube and Snyk for minimize vulnerabilities. Istio as a service mesh and Vault by Hashicorp as encrypted key manager. Isolation for different environment was implemented between development/UAT and production environment. Awareness about basic security threats, mitigation, prevention as well were also given to internal team through learning system that we had.</p>	
Feb 2022 — Apr 2023	DevOps Specialist, Xurya Daya Indonesia	Jakarta
	<p>A lot of implementation and deployment happened when I moved to Xurya. A lot of new standards for better flow in SDLC were also applied with automation in the CI/CD (GitLab). A lot of dashboard in Grafana were also created to make all developers can troubleshoot, or tracing logs with ease. Alerting system from Grafana was also implemented that integrated with Slack as our ChatOps for better alerting system. Several tools such as that helps us to maintain whole DevOps cycle were also implemented (e.g Sonarqube, Terraform, Chef, Puppet, etc)</p>	
Mar 2021 — Mar 2022	Section Head of DevOps Specialist, Adira Finance	Jakarta

My journey continues in the same company as Section Head of DevOps specialist where mainly focused on cloud computing. Handled four teams with different projects. Some of it still running in on-premise architecture (monolithic) using Windows Server and RedHat as the operating system. A lot of tools and stacks running (Wireshark, Amanda, Defrag, etc) and IIS mainly used as a web-server with a lot of configuration that integrated within.

Despite on-premise architecture, Google Cloud Platform and Alibaba Cloud was our main platform. All apps running containerized in Docker format using Kubernetes. Most of the CI/CD runs using Jenkins with a lot of integration (e.g. Sonarqube & Snyk for vulnerabilities checker, Consul as service-mesh). We used Grafana, Kibana, Datadog, and New Relic as our monitoring tools that separated based on the projects to help us tracing, and troubleshooting.

I was developing a remote QA system or a device farm as well as my personal project using OpenSTF. A lot of testing, trial and error with various teams were happened that helps me enhance my skill in leadership, communicating, and also managing the complexity of the project to make it possible achievable.

INTERNSHIPS & CONTRACTS

Dec 2020 — Mar 2021	Digital Engineering & Architecture, Adira Finance	Jakarta
After giving my performance on my last career, I was given an opportunity to extend my intern where I handled to make one of my idea possible. That idea was a Machine Learning. A lot of hours given in order to make the ML itself achieved our success indicators. A lot of data trained to enhance its accuracy of prediction. Most of the stacks coded using Python with the help of AutoML and Google Vision from Google Cloud Platform. This project was able to fulfill the business-side requirements and approved by the Board of Directors as the production-ready project.		
Sep 2020 — Nov 2020	Blue Ocean Project, Adira Finance	Jakarta
It was a project that held by Adira Finance & partnership with Prasetya Mulya University in order to see opportunities in the COVID-19 pandemic situation. Deep analysis, a ton of research and hours of evaluation were taken in order to get the foundation and reasons that make our ideas executable. All ideas presented to the CEO and 6 people from Board of Directors and several managers. There are 5 ideas that mostly related with automation, AI, Machine Learning that might helps Adira Finance in the technology-side. Thankfully after I presented whole ideas that I made, 4 out of 5 of my ideas are approved and executable for the next year (2021).		
Feb 2020 — Jul 2020	IT Project Manager, Pelita Harapan University	Tangerang
I was developing task management system and project management system that made specifically for Pelita Harapan University internals with various roles. It can be implemented for lecturer-students, or even staff-student committees. A lot of research, and analyzing required at first to make the business requirements and needs met with this one single app. A lot of use case, scenarios were sand-boxed. The app itself was made with Microsoft Teams integration for easier video-call meetings and Notion that helps us to create documentation, notes, and task management.		

EDUCATION

Aug 2016 — Jan 2021	Informatics, Pelita Harapan University	Tangerang
Graduated with GPA 3.1. There are various languages that I learned (e.g C++, Java, HTML, CSS, Javascript, Python, etc). There are some languages that makes me deep research to explore more about it because of its capability to not just create, but it involves my analytical thinking such as Python, and R language. Those both language are my main languages since I love to explore data analytics since back then.		

CERTIFICATIONS

Oct 2020 — Oct 2022	Google Cloud specialization for Cloud Architect	K756A775MVRR
Oct 2020 — Oct 2022	Google Cloud specialization for Cloud Engineering	ZLS2K9WWUB3T
Oct 2020 — Oct 2022	Google Compute Engine specialization for Cloud Architect	RDH3G2CMX8EM
Feb 2021 — Feb 2023	Google Cloud specialization for Devops & SRE	RY8XAYS95MPV

SKILLS

Google Cloud Platform

Linux & Bash

Amazon Web Services

Data Analytics

Alibaba Cloud

Python & Golang

Kubernetes & CI/CD

Solution Architect

ORGANIZATION EXPERIENCE

May 2018 — Sep 2018

Head of Content & Media, Youth Camp UPH 2018

It was one of the biggest event with a short term of preparation. Pressures from many aspects such as short due-dates, arguments, initiatives reaction were learned from here. I learned a lot that usual encouragements sometime doesn't work when we had a lot of pressures back there. That's why a different perspective needed to make the workflow synchronized with others either in perspective or the communication. Glad to know a lot of people that still thirsty to find Jesus in the event!

Sep 2017 — Jun 2018

Head Coordinator of Documentation & Media, Ambassadors of UPH 2018

Ambassadors of UPH will always be the most fabulous event in Universitas Pelita Harapan. We prepared whole session for almost a year. A week-by-week we were having meeting to ensure we finished whole tasks based on schedule that had been set. Well, I admit it that handling a team was never easy and never will. Sometimes you can manage your team, but sometimes you can't. The most important is you can handle your team's tasks no matter what. Task-oriented and people-oriented had to be balanced. If one of my team was quite hard to work with the team, at least I as the coordinator can handled the team's task.

Jun 2018 — Jun 2018

Documentation, Blockchain Potential Seminar

Oct 2017 — Mar 2018

Multimedia, Documentation, Design & Decoration Lead, Career Expo UPH 2018

Career Expo was one of the most lit event that handled in Universitas Pelita Harapan. There are a lot of things that I learned there. Through the event, I realized that there are so many people live around us that really want to have a job. Clearly I can make a conclusion that we are competing to get a job with others too.. And I do learned a lot from event attendance like the specific requirements that most companies wanted from fresh graduates.

However, I had the best team that I ever experienced in university's organizations. We were having a lot up and downs from pre-productions until post-production. Glad to know most of the participants, and event handler are enthusiast and happy with the event!

Sep 2017 — Sep 2017

Liaison Officer, National Programing & Logic Competition

Aug 2016 — Sep 2017

Head of External Division, IPAD UPH Sports

IPAD stands for Internal Program & Activities Development for sports division of Pelita Harapan University. UPH SPORTS are well-know by most people in Indonesia because of their winnings, and dedication to be a winner in every match they had. As an external division, I was having my time to meet many universities and many institutes for discussion or planning, and negotiating for national/local event.

I and my team are also making contents for www.uph.edu and UPH SPORT's social media that relates about sports. We were creating documentation, digital-art, and script-writing for UPH SPORT's social media.

Jan 2017 — Jun 2017

Media Division, Week of Champions UPH 2017

I was part one of committee in media in this event. I created many content that needed for advertisement of the event. Mostly I took-over the video from pre-production, production, until post-production. It was my another chance after many years to enhance my skill in motion-graphic because most of the video were requested to use that kind of video. There's a lot circumstances that happened between me and my team because I was quite busy with another event. But i never let down my team by giving my best when the event started for 7 days. I remembered how audiences satisfied to see highlight-video that I edited last minute before it was scheduled to be played. Me and my team were having teamwork with BeritaSatu too that time. So it was a great opportunity to be able and learn to operate television-news international standard gears. It brings me such joy when I operate one of the camera and seeing my own live stream-angle live in television!

Nov 2016 — Apr 2017

Stage Manager, Elefaith UPH 2017

I joined as Production Troops of UPH that time (Production Troops more like an event organizer that created to develop and organize every single-event UPH have). The leader of Production Troops trusted me to become stage manager at that time.

My job is quite takes a lot effort because there are many responsibilities I have to carried on. Mostly I spent my time to practice and learn through many mentors and seniors before we start to rehearsal. I learned how to make a great communication and coordination to make every step that stage crews take is flawless without making any-single mistake (time-management, set on the floor, backstage-flow) That's why it takes a lot of time to make sure everything that we prepare for the event is structured and organized.