

Stephen Dewanto

Software Engineer | ISC2 CISSP | stephen.dewanto@gmail.com | (+62) 857-7032-9630 | Indonesia

Summary

Results-driven **Software Engineer** with **5+ years of experience** in delivering secure, scalable, and high-performance software solutions. Backed by industry-leading certifications including **ISC2 CISSP** with hands-on experience in secure system architecture, web development, and infrastructure hardening. Proven expertise in designing **secure, scalable, and high-performance applications** using **microservices, cloud platforms, and modern security best practices**. Passionate about **security, privacy, and reliability**, blending leadership, coding, and cloud-native engineering to create solutions that are both robust and user-friendly. Open to international relocation with visa sponsorship.

- Cloud & Security-Focused Engineer**
ISC2 Certified Information Systems Security Professional, Google Cloud certified, AWS trained, with hands-on experience in **infrastructure security, risk assessment, and compliance**.
- Web & Backend Development**
Extensive experience in **secure API development, scalable web applications, microservices and other modern cloud infrastructures**.
- Innovation**
Successfully leading teams and implementing **cost-effective, scalable solutions** for enterprise customers.

Technical Skills

- Programming languages:** PHP, JavaScript, Typescript, Python, Dart
- Cloud & Infrastructure:** Google Cloud, AWS, DigitalOcean, Linode, Cloudflare
- Frameworks:** Laravel, Vite, Vue, Express.js, Flutter, Django, Tensorflow
- Other:** Git, Microservices, Serverless, GitHub Actions, LEMP (Linux, NGINX, MySQL, PHP), Zero Trust

Professional Experience

- Security Consultant**
Private Indonesian Cryptocurrency Exchange Company (2023 – present)
 - Designed & implemented security strategies** to protect exchange infrastructure from cyber threats.
 - Conducted **penetration testing & vulnerability assessments**, mitigating critical risks.
 - Developed and enforced security policies** aligned with industry standards (ISO 27001).
 - Prevented a major security breach** by identifying & fixing a high-risk **server misconfiguration**.
 - Migrated legacy architecture to microservices**, increasing security and system resilience.
- Software Engineer, CEO**
Private Indonesian Technology Company (2021 – present)
 - Led development of **cost-effective cloud-based enterprise solutions**, integrating **serverless** and **microservices architectures**.
 - Designed and deployed secure APIs & infrastructure** for enterprise clients.
 - Optimized security & compliance practices**, ensuring robust IAM and access controls.
 - Implemented cloud-based solutions**, improving scalability and reducing operational costs.
- Technology Director**
Private Indonesian Cryptocurrency Exchange Company (2022 – 2023)
 - Ensured technology infrastructure compliance** with regulatory and security standards.
 - Secured critical infrastructure**, reducing attack vectors and improving system resilience.
 - Identified & mitigated risks**, strengthening the overall security posture of the exchange.

- **Independent Software Engineer**

Various clients (2017 – 2021)

- Developed **web applications** for diverse clients, balancing performance, usability, and security.
- Delivered tailored **software solutions** for small businesses, including **custom CMS, e-commerce platforms, and business tools**.
- **Legalized business** and formally transitioned freelance operations into an incorporated **IT solutions company**.

- **AI Engineer Intern**

Private Indonesian Online Publishing Company (Mar 2019 – Aug 2019)

- Developed a **sentiment analysis machine learning model** for **Indonesian language**, applied to news and social media data.
- Conducted **data cleaning, preprocessing, and labelling**, preparing datasets for model training and evaluation.
- Utilized **Python, TensorFlow, and NLP libraries** to build and fine-tune the model; and contributed to internal research and development efforts, exploring **ML use cases in media monitoring**.

Credentials

- **ISC2: Certified Information Systems Security Professional (CISSP)**

Apr 2025 – Apr 2028 (certification)

- **ISC2: Systems Security Certified Practitioner (SSCP)**

Mar 2025 – Mar 2028 (certification)

- **ISC2: Certified in Cybersecurity (CC)**

Mar 2025 – Mar 2028 (certification)

- **Google Cloud: Associate Cloud Engineer (ACE)**

Jan 2025 – Jan 2028 (certification)

- **GitHub: GitHub Foundations**

Oct 2024 – Oct 2027 (certification)

- **AWS Cloud Quest: Cloud Practitioner**

Oct 2024 (training)

Projects & Achievements

- **Prevented a major security breach**, securing user funds and company reputation.
- **Successfully modernized legacy systems**, transitioning them to **cloud-native & microservices-based infrastructure**.
- **Built scalable enterprise cloud solutions**, enabling businesses to adopt **cost-effective alternatives** to Workspace-like SaaS.

Education

- **Master of Sciences (M.Sc.)** in Computer Science - Computational Intelligence major

Private Indonesian University

Graduated 2022

- **Sarjana Komputer (S.Kom.)** in Computer Science - Artificial Intelligence major

Private Indonesian University

Graduated 2020