



Ryan Hamonangan

Senior Software Architect

Fullstack Software Developer | Node.js & React Enthusiast | AWS Specialist | DevOps & Application Security Expert | Passionate about Learning and Challenging Projects

Experiences

Senior Software Architect, PT ASTRA INTERNATIONAL TBK
Aug 2018 - Present

My role at Astra International reflects a commitment to technological innovation, strategic leadership, and a proactive approach to shaping the future of technology within the organization.

AI Researcher (University Lab), Institut Teknologi Bandung
Feb 2018 - Jul 2018

Lecturer, Universitas Internasional Batam
Aug 2016 - May 2017

PHP Programmer, Vox Teneo
Sep 2014 - Jul 2015

PHP Developer, PT. Topiputih Kreasi Indonesia
Oct 2012 - Jan 2014

Full Stack Developer, CV Pusat Link & CV Techno
Jan 2012 - Aug 2012

PHP Programmer, paseban.com
Apr 2011 - Dec 2011

Educations

Institut Teknologi Bandung
Master Degree, Engineering
2016 - 2018

STMIK "amikbandung"
Bachelor Degree, Computer Science
2011 - 2014

Certifications

Leader as Coach
Loop Institute of Coaching · Apr 2019

Publications

Domain Event Driven pada Aplikasi Komputer Catur: Logika Catur ~ Feb 1, 2017

Optimization and modification of evaluation function in Stockfish chess engine ~ IEEE · Dec 19, 2016

Komparasi Algoritma Pengurutan untuk Penerimaan Peserta Didik Baru Kota Bandung ~ Universitas Jenderal Achmad Yani · Jan 1, 2015

Details

Jakarta
Indonesia
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Links

<https://id.linkedin.com/in/ryanhs>

Skills

JavaScript/TypeScript

Node.JS/Nest.JS

React.JS/Next.JS

Microservices

DevSecOps

Cloud (AWS, Azure)

Software Architecture

Languages

English (C1)

Bahasa Indonesia (Native Speaker)

Technology Principal/Architect at PT Astra International Tbk

Aug 2018 - Present

Description:

During my tenure at Astra International, I held the role of Technology Principal/Architect, overseeing critical systems including the OLX platform, Toyota Sales Operation, Honda Sales Operation, and AstraDigital (Mobil) Products. My multifaceted role covered strategic leadership, infrastructure development, code implementation, operations setup, and cutting-edge research in AI integration.

Responsibilities:

▪ **Strategic Leadership and Architecture**

- Led as the Technology Principal/Architect, providing strategic direction for the technological landscape of OLX, Toyota Sales Operation, Honda Sales Operation, and AstraDigital (Mobil) Products.
- Formulated and executed comprehensive technology roadmaps, ensuring alignment with business objectives.

▪ **Infrastructure as Code Implementation**

- Spearheaded research and implementation of IaC methodologies, with a focus on AWS and Azure cloud services, setting the standard for efficient and scalable deployment practices.
- Opened pathways for DevOps teams, facilitating streamlined development processes.

▪ **Code Development and Collaboration**

- Wrote foundational code during the initiation of service development, setting high standards and providing a roadmap for subsequent developers.
- Proficient in coding languages such as Javascript/Typescript, ensuring the development of high-quality and scalable code across the entire technology stack, from Backend to Frontend.

▪ **AI Integration and Research**

- Conducted pioneering research on ChatGPT, exploring its integration into systems for advanced AI-oriented functionalities.
- Collaborated with cross-functional teams to implement innovative AI solutions that enhance user experiences and operational efficiency.

Qualifications:

- Proven expertise as a Technology Principal/Architect with a track record of successful leadership in complex technological environments.
- Extensive experience in infrastructure development, including the transformation of systems into Infrastructure as Code (IaC) models.
- Proficient in coding languages such as Javascript/Typescript, ensuring the development of high-quality and scalable code.
- Strong background in Business IT (BIT) operations, including the implementation of security measures such as Single Sign-On (SSO).
- Demonstrated experience in researching and integrating AI technologies, with a specific focus on ChatGPT.

Key Achievements:

- Successfully led the strategic transformation of OLX, Toyota Sales Operation, Honda Sales Operation, and AstraDigital (Mobil) Products.
- Implemented Infrastructure as Code, leveraging AWS and Azure, enhancing scalability and efficiency.
- Pioneered collaborative coding practices, expediting development processes and ensuring code quality.
- Established robust BIT operations frameworks and implemented SSO solutions for enhanced security.
- Contributed to cutting-edge AI research, exploring the integration of ChatGPT into systems for advanced functionalities.
- Proficiently developed high-quality and scalable code, covering the entire technology stack from Backend to Frontend.