



HERMAN

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Software Design Engineer with 7+ years building product features and architecting scalable frontend systems for high-traffic e-commerce platforms. Specialized in custom SSR frameworks, micro-frontend architectures, and CI/CD optimization. Master's in Computer Science with published research in Deep Learning and Computer Vision.

Work Experiences

PT. Global Digital Niaga (Bibli.com) - Jakarta, Indonesia

Sep 2019 - Present

Software Design Engineer

E-commerce

- Architected custom Node.js SSR framework supporting micro-frontend architecture with SSR, ISR, and PPR rendering strategies, overcoming limitations of existing meta-frameworks
- Maintained and enhanced Jenkins CI/CD pipelines, centralising frontend stack upgrades, dependency maintenance, and deployment workflows
- Configured Nginx API gateways and routing strategies in collaboration with cross-functional engineering teams
- Developed internal engineering tools and led knowledge-sharing sessions to improve team productivity
- Built monitoring dashboards and distributed tracing for micro-frontend SSR services using Datadog

Kairos Utama Indonesia - Jakarta, Indonesia

Jun 2018 - Aug 2019

Junior Software Programmer

Software House

- Architected and developed enterprise internal portal solutions for Pertamina using ASP.NET MVC and .NET Framework
- Implemented dynamic rendering architecture combining server-rendered shell templates with vanilla JavaScript DOM interactions
- Delivered features including news management, project dashboards, event calendars, secure file sharing with session-based watermarking, org hierarchy visualization, and media file explorer
- Built backend business logic using .NET Framework and Entity Framework, including DTO generation and database schema maintenance
- Optimized stored procedures for heavy read-query workloads, reducing Petronas dashboard load time from 3 minutes to 14 seconds (97% improvement)
- Contributed to Indonesia gas station standardization and certification systems with cross-functional teams

Education Level

Universitas Bina Nusantara - Jakarta, Indonesia

Jul 2018 - Dec 2019

Master of Computer Science, 3.60/4.00

- Thesis: Oil Palm Fruit Image Ripeness Classification with Computer Vision using Deep Learning and Visual Attention

Sekolah Tinggi Teknologi Indonesia - Tanjungpinang, Indonesia

Jul 2014 - Dec 2017

Bachelor of Computer Science, 3.33/4.00

- Thesis Defence Auto Scheduler using Greedy Algorithm for Sekolah Tinggi Teknologi Indonesia

Skills, Achievements & Other Experience

- **Technology:** Vue.js, Node.js, TypeScript, JavaScript (ES6+), HTML5, CSS3, Micro-frontends, ASP.NET MVC, .NET Framework, Entity Framework, SQL, React, Svelte, Nuxt, Prisma ORM, Playwright
- **DevOps:** Jenkins, CI/CD Pipelines, Datadog, Distributed Tracing, NGINX, API Gateway Configuration, Google Cloud Platform,
- **Machine Learning:** Computer Vision, Deep Learning, Visual Attention Mechanisms, Python, PyTorch (CNN Model Modifications)