

Cristoper Anderson

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Professional Summary

Experienced Fullstack Software Engineer with 3+ years of hands-on experience in building scalable web applications using modern technologies. Proven expertise in Next.js, React.js, and Golang for developing responsive frontends and robust backend services. Strong background in database design, API development, and cloud infrastructure with a focus on performance optimization and clean, maintainable code.

Education

Bina Nusantara University

Computer Science, Software Engineering. GPA: 3.55

West Jakarta, DKI Jakarta

September 2020 - July 2024

Experience

Farmio Pte Ltd.

Software Engineer

Singapore

October 2024 - Present

- Developed and maintained multiple React-based and Next.js enterprise portals within an Nx monorepo, implementing comprehensive Role-Based Access Control (RBAC) systems across admin, agent, customer, and supplier interfaces
- Built RESTful APIs and microservices using TypeScript/Express.js and Golang, ensuring type-safe database interactions with Prisma ORM
- Designed and optimized PostgreSQL databases with PostGIS extensions, implementing efficient queries and database performance tuning
- Developed comprehensive test suites using Jest, achieving 80% code coverage across critical business logic components
- Managed AWS infrastructure including EC2 deployment, load balancing, CI/CD pipelines, and CloudWatch monitoring for scalable application delivery
- Built reusable UI component libraries with modern JavaScript (ES6+), shadcn/ui, Framer Motion, and TailwindCSS, improving development velocity and maintaining design consistency
- Implemented client-side optimization techniques, reducing upload sizes by up to 90% while maintaining quality standards
- Collaborated with cross-functional teams to translate UI/UX designs into interactive, responsive user interfaces

Bina Nusantara University - Enrichment Program

Junior Researcher / Software Engineer

West Jakarta, DKI Jakarta

February 2023 - February 2024

- Maintained and enhanced 4 public-facing web applications built using Next.js, React.js, Vue.js, and Laravel
- Developed an emotionally aware chatbot using microservices architecture with FastAPI, React.js, RabbitMQ, and Python
- Implemented containerized deployment using Docker and served applications with PM2 and Nginx for optimal performance
- Designed and optimized both relational and non-relational databases for high-performance data retrieval
- Collaborated with UI/UX designers to create seamless user experiences and resolve performance bottlenecks

Bina Nusantara University - Software Laboratory Center

Database Administrator / Fullstack Developer

West Jakarta, DKI Jakarta

September 2022 - September 2024

- Maintained MSSQL database servers and designed database schemas for internal business applications
- Built and maintained internal web applications using .NET Framework, TypeScript, Next.js, and NestJS

- Developed RESTful APIs and automated labor-intensive business processes using Node.js and Puppeteer.js
- Implemented CI/CD pipelines and version control practices for efficient deployment workflows
- Collaborated with stakeholders to gather requirements and deliver feature requests for web applications

Bina Nusantara University - Software Laboratory Center

West Jakarta, DKI Jakarta

Junior Laboratory Assistant

September 2021 - September 2022

- Taught Web Programming, Data Structures and Algorithms, and Database Systems courses
- Developed practical exam cases and project assignments for fullstack development courses
- Participated in professional development programs covering Full Stack Web Programming and Database Systems
- Awarded best teaching subject qualification for exceptional performance

Projects

ask-document

Next.js, NextAuth, Prisma, PostgreSQL, Langchain, Supabase

- A fullstack RAG (Retrieval Augmented Generation) application with Next.js frontend and Node.js backend, featuring document upload and AI-powered Q&A capabilities with PostgreSQL database integration.

affective-input-framework

React.js, Python, RabbitMQ, RESTful APIs, Docker, Microservices

- A microservices-based chatbot application with React.js frontend and Python backend, processing multiple input types (speech, facial expressions) with containerized deployment using Docker.

Technical Skills

Frontend Technologies: Next.js, React.js, TypeScript, JavaScript (ES6+), HTML5, CSS3, Tailwind CSS, Responsive Design

Backend Technologies: Golang, Node.js, Express.js, NestJS, Python, FastAPI, RESTful APIs, Microservices Architecture

Databases: PostgreSQL, MongoDB, MSSQL, Redis, Prisma ORM, Database Design & Optimization

DevOps & Cloud: Docker, AWS (EC2, CloudWatch), GCP, CI/CD Pipelines, Nginx, PM2, Load Balancing

Tools & Practices: Git, Jest Testing, Code Reviews, Agile Development, Performance Optimization, Clean Code Principles

Languages: Indonesian (Native), English (Professional Working Proficiency)

Certifications

- Cloud Practitioner Essentials - Dicoding
- Basic Machine Learning - Dicoding
- DevOps Basics - Dicoding
- Back-End Programming Basics - Dicoding
- Working with Microservices in Go (Golang) - Udemy