Garry Alexander

Full Stack Developer
DevOps Engineer
Frontend Architect

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Tangerang, Indonesia

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31 May 1994

Linkedin

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Personal Site

OPEN SOURCE CONTRIBUTIONS

Web3 DeFi Collaboration
Blockchain Project
2024
Collaborated as Research and Development on DeFAI (Decentralized Finance AI) for stablecoin cross-chain by leveraging AI solutions, working with a globally distributed team across multiple countries and backgrounds.

Electron-based Linux AI Suite
Personal Project
2024
Created a cross-platform solution for accessing multiple AI services *(Grok, ChatGPT, Claude, Deepseek, Manus, and Perplexity)* through a single, convenient application packaged as a Linux AppImage using Electron.

EDUCATION

Technology of Information System
Binus University | Incomplete
2012 – 2015 | Tangerang, Indonesia

PROFILE

Full Stack Developer and DevOps Engineer with 8+ years delivering production-grade applications for distributed, remote-first teams across multiple time zones. Specialized in asynchronous collaboration, self-directed development, and documentation-driven workflows and remote collaboration using React.js, Next.js, TypeScript, Node.js, Docker, and CI/CD automation.

Proven track record reducing development cycles by 30% through AI-assisted workflows while maintaining real-time applications with faster iteration and development cycles through autonomous, timezone-flexible operations. Experienced in Agile/Scrum methodologies, asynchronous standup protocols, and virtual team coordination using Slack, Discord, GitHub, and modern project management tools.

PROFESSIONAL SUMMARY

DevOps Engineer Section
RnD | Contract Based | Fully Remote and Async-First
2025 – 2025 | Dubai, UAE
Architected and deployed production-grade multi-chain cryptocurrency intelligence platform serving distributed Telegram communities with real-time market analytics across 6+ blockchain networks. Led autonomous full-stack development in remote async environment with zero on-site oversight.

Backend Architecture & API Development
- Engineered Telegram bot processing multi-chain crypto analytics with modular service architecture integrating 5+ external APIs.
- Developed WebSocket-based streaming infrastructure for whale-tracking and DEX transaction monitoring achieving sub-second latency for 10,000+ daily alerts
- Designed RESTful API endpoints for alpha signal distribution, social intelligence aggregation, and trend monitoring

Infrastructure & Database
- Deployed containerized applications via Docker with multi-stage builds and Puppeteer integration for headless chart generation, reducing deployment time by 40%
- Architected MongoDB/Mongoose database schemas with in-memory fallback mechanisms ensuring zero-downtime operation during 99.9% uptime
- Implemented caching strategies and rate-limiting reducing third-party API calls by 80% while maintaining real-time data accuracy
- Configured CI/CD pipelines using GitHub Actions for Railway deployment with automated health monitoring and horizontal auto-scaling

Advanced Features
- Built automated market monitoring polling external APIs with smart cooldown logic and alert distribution
- Developed Canvas-based visualization system generating PnL cards and chart captures with anti-detection measures
- Created token security analysis pipeline (LP burn checks, holder distribution, fraud detection across chains)

Dashboard
- Developed Next.js 15 admin dashboard with TypeScript, TanStack Table, and Three.js 3D analytics, reducing manual monitoring time by 60% for operations team

SKILLS

Programming Languages & Frameworks ●●●●○

JavaScript (ES6+), TypeScript, Node.js, Python, React.js, Next.js (App Router, SSR, API Routes), Vue.js, Express.js, HTML5, CSS3, Java, Markdown

Frontend Development & UI ●●●●○

Tailwind CSS, Bootstrap 5, Shadcn UI, TanStack, Framer Motion, GSAP, Three.js, Responsive Design, Performance Optimization (bundle analysis, code splitting, lazy loading)

Backend & Database ●●●●○

RESTful API Development, WebSocket (real-time applications), MongoDB, Mongoose, Multi-chain Blockchain Integration (Ethereum, Solana, BSC, Polygon, Base, Arbitrum)

DevOps & Infrastructure ●●●●○

Docker (multi-stage builds, containerization), CI/CD Pipelines (GitHub Actions), Git/GitHub, Vercel, Railway, Netlify, Zero-downtime Deployment, Caching Strategies, API Integration, Telegram Bot Development (Telegraf.js) and Puppeteer (headless automation)

Development Tools & Workflow ●●●●●

Bun, npm/Yarn, ESLint/Prettier, Cursor IDE, Windsurf, Claude Code, Warp Terminal, MCP (Model Context Protocol) Integration, AI-Assisted Development

Collaboration & Methodologies ●●●○○

Agile/Scrum (Sprint Planning, Daily Standups, Retrospectives), Remote Team Collaboration, Asynchronous Workflows, Cross-functional Communication, Slack, Discord, Zoom, Jira, Asana, Trello, GitHub Projects, Notion, Confluence, Loom (async video), Miro (virtual whiteboarding)

Languages ●●●●○

English
Indonesian

Front End Developer (Web & Mobile)
Realta Chakradarma | Full Time On-Site
2021 – 2025 | Central Jakarta, Indonesia

Led frontend architecture modernization and AI-integrated development workflows for hospitality management platform serving enterprise clients, collaborating with cross-functional teams using Agile/Scrum methodologies and Daily Stand-up Huddle.

Development & Performance:
- Migrated legacy frontend from Bootstrap5 and Wordpress to Next.js (SSR) with TypeScript, improving application performance by 35% and reducing load times
- Built scalable component libraries using atomic design principles, reducing development time by 20% across product teams
- Integrated AI-assisted workflows cutting development cycles by 30% while maintaining code quality and faster production through repeatable trial and error (A/B testing) with internal cross-team feedbacks

UI/UX & Engagement:
- Implemented Framer Motion and GSAP animations, integrated Webflow with existing Bootstrap infrastructure in collaboration with Marketing division, boosting user engagement by 30%

Customer Solutions:
- Integrated AI Chatbot into Flutter Mobile App for customer service chatbot, reducing support costs by 10% through automated query handling

Bumame Pharmacy Software Implementation
Realta Chakradarma | Full Time On-Site
2020 – 2021 | Central Jakarta, Indonesia

Served as technical liaison between Realta development teams and Bumame Pharmacy operations, implementing custom healthcare IT solutions for pandemic-era laboratory testing workflows

Implementation & Operations:
- Implemented end to end testing workflows for pandemic era lab operations, achieving zero downtime and 100% accurate lab result delivery throughout deployment year
- Acted as bridge between client stakeholders and internal engineering teams to deploy custom-tailored IT solutions meeting operational requirements during COVID-19 testing surge
- Monitored and guided laboratory staff through new software processes, ensuring compliance with healthcare standards and smooth adoption

Software Quality Control
Realta Chakradarma | Full Time On-Site
2017 – 2020 | Central Jakarta, Indonesia

Contributed quality assurance processes for internal enterprise-level business management systems, conducting comprehensive testing and translating business workflows into technical documentation

Quality Assurance & Testing:
- Reduced critical software bugs by 30% through systematic QA processes using Selenium and Cypress for automated and manual testing
- Conducted rapid testing for enterprise-level Personal, Payroll, Quality Assurance, HR, and Hotel Management Systems ensuring system reliability and performance
- Analyzed and optimized business workflows, translating business processes, schemas, and flowcharts into detailed user manuals and documentation using Robohelp and XML, aligned with ISO 9001 quality management standards

PROJECTS

AI-Powered Customer Service Migration (Flutter Mobile)
Realta Chakradarma
2024 – 2025
Migrated legacy rule-based chatbot to AI-powered conversational system for multi-tenant hospitality mobile application, improving response accuracy and reducing support costs.

AI Integration & Migration:
- Migrated conventional rule-based chatbot to Google Gemini 2.5 Flash API integration, improving query response accuracy by 40% and enabling natural language understanding
- Architected multi-tenant AI context management system ensuring data isolation and tenant-specific knowledge bases within shared Flutter mobile infrastructure

Advanced Telegram Cryptocurrency Intelligence Bot
RnD Contract Based
2025
Developed modular multi-chain cryptocurrency monitoring system with real-time transaction tracking and automated alert distribution across distributed user communities.

Core Features & Architecture:
- Built WebSocket-based monitoring system streaming real-time blockchain transactions with polling fallback and automatic API key rotation across multiple providers
- Architected event-driven subscription management with per-group configuration for buy thresholds, multi-pair tracking, and persistent state across system restarts
- Implemented transaction parser detecting DEX operations and filtering swap events with configurable USD value thresholds per user group
- Created modular bot architecture separating concerns (commands, handlers, managers, services) with graceful WebSocket reconnection and orphaned subscription cleanup

PROJECTS

Sales Agent
Tokio Marine Insurance Group | Part Time On-Site
2016 – 2017 | South Tangerang, Indonesia
Achieved sales targets within first month as part of inaugural agent cohort, developing client portfolios and tailoring insurance solutions to individual client requirements.

Sales Record
- Hit sales quotas in first 30 days through consultative approach and product knowledge mastery
- Built and maintained long-term client relationships for portfolio growth and retention