

Darvin Sinaga

@ sinagadarvin@gmail.com |  linkedin.com/in/elianriu |  github.com/elianriu |  Jakarta, Indonesia

PROFESSIONAL SUMMARY

Full-stack software engineer with 8+ years of experience building scalable web applications and leading development teams. Expertise in React, TypeScript, Java Spring Boot, and modern DevOps practices.

EDUCATION

Binus University

Bachelor of Computer Science, GPA: 3.48/4.0

Jakarta, Indonesia

Expected Aug 2025

- **Relevant Coursework:** Data Structures and Algorithms, Object-Oriented Programming, Software Design Patterns, Web Programming, Software Engineering, Database Systems, Data Science

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Java, SQL, HTML/CSS

Frontend: React.js, Next.js, Vue.js, Angular, React Native, Redux, React Query, Chakra UI, Tailwind CSS

Backend: Node.js, Express.js, NestJS, Spring Boot, GraphQL, RESTful APIs

Databases: MongoDB, PostgreSQL, MySQL

DevOps & Tools: Git, GitHub Actions, Jenkins, Docker, AWS (EC2, S3), Digital Ocean, CI/CD

Testing: Jest, Unit Testing, Integration Testing, Security Testing (Pentest)

Methodologies: Agile, Scrum, Code Review, Test-Driven Development

PROFESSIONAL EXPERIENCE

DBS Bank

Senior Associate, Microservices Engineer (Investment Domain)

Jakarta, Indonesia

Feb 2025 – Present

- Manage end-to-end deployment lifecycle for 16 microservices across UAT and production environments
- Lead investment domain microservices architecture, ensuring high availability and scalability for banking services
- Architect and implement security solutions including penetration testing frameworks, improving application security posture
- Maintain 80%+ code coverage standards through comprehensive unit and integration testing strategies

Associate, Backend Engineer (Kony Platform Core Team)

Nov 2023 – Feb 2025

- Awarded "DBS Tech Hero 2024" in Most Versatile category for exceptional adaptability and technical expertise
- Core team member for Kony, enterprise omnichannel platform supporting critical banking domains: Payment, Onboarding, Card and Loan, Security, Deposit, and Investment
- Successfully led migration of Kony platform from legacy Java 8 stack to Java 17, deployed on JBoss 8 application server
- Designed and deployed robust penetration testing solutions, enhancing security across banking applications
- Achieved and maintained 80%+ functional and branch coverage, ensuring high code quality and platform reliability
- Coordinate UAT support for 8 Indonesian development squads, ensuring quality deliverables and production readiness

Associate, Frontend Engineer

May 2022 – Nov 2023

- Served as key React developer for internet banking platform serving 1M+ active users across Indonesia
- Architected and implemented React micro-frontend architecture, enabling modular and scalable frontend development
- Collaborated with cross-regional teams (India, Singapore) to develop new features including Loan, Credit Card, and Investment modules
- Engineered React-based web applications with seamless iOS/Android WebView integration for mobile platforms
- Led team of 5 developers in feature development, conducting code reviews and providing technical guidance
- Participated in security testing initiatives with penetration testing team to identify and resolve vulnerabilities
- Maintained 80% test coverage standard and resolved critical production issues with minimal downtime
- Conducted technical interviews for frontend developer positions across Indonesia and India regions

NTT Data	Jakarta, Indonesia
<i>Associate Software Engineer, Frontend (Contract)</i>	<i>May 2022 – Dec 2022</i>
<ul style="list-style-type: none"> Contracted to DBS Bank as frontend developer, demonstrating strong performance that led to direct hire conversion Contributed to internet banking platform development using React.js and modern frontend technologies 	
Garar ID (Founder)	Batam, Indonesia
<i>Full-Stack Developer & Technical Lead</i>	<i>Nov 2021 – Present</i>
<ul style="list-style-type: none"> Founded and developed e-commerce platform managing 200+ digital products (game vouchers, utilities, mobile credits) Architected full-stack solution using Express.js, MongoDB, Next.js PWA, and React Native mobile application Integrated multiple payment gateway APIs to handle secure transaction processing Implemented CI/CD pipeline using GitHub Actions, deployed on AWS EC2 with S3 for static assets Optimized user experience across web (PWA) and mobile (Android) platforms, ensuring responsive design 	
BusinessTakeover	Singapore (Remote)
<i>Frontend Developer (Freelance)</i>	<i>Jan 2021 – Dec 2022</i>
<ul style="list-style-type: none"> Led frontend revamp project using modern tech stack: Next.js, GraphQL, React Query, Chakra UI, and KeystoneJS Implemented server-side rendering (SSR) with Next.js, improving SEO performance and page load times Utilized GraphQL and React Query for efficient data fetching and state management, reducing API calls by 40% 	
ProSpace	Singapore (Remote)
<i>Frontend Developer</i>	<i>Mar 2019 – Oct 2021</i>
<ul style="list-style-type: none"> Developed workspace analytics platform and smart workspace product using React.js as core frontend framework Built ProSpace Chrome extension with seamless Google Calendar integration for instant schedule viewing Created interactive data visualizations and charts using D3.js library for analytics dashboard Collaborated with backend team to integrate RESTful APIs and optimize application performance 	
Rushowl	Singapore (Remote)
<i>Frontend Developer</i>	<i>Sep 2017 – Mar 2019</i>
<ul style="list-style-type: none"> Rapidly mastered JavaScript and React Native from scratch, delivering production-ready features within first 6 months Built MVP transportation application using React Native for Singapore market, handling real-time location tracking Collaborated with cross-functional team to define product requirements and implement user-centric features 	

AWARDS & RECOGNITION

DBS Tech Hero 2024 – Most Versatile: Recognized for exceptional technical adaptability and expertise across frontend, backend, and security domains