

# Darvin Sinaga

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## PROFESSIONAL SUMMARY

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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

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### 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

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**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

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### 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

*Associate Software Engineer, Frontend (Contract)**May 2022 – Dec 2022*

- 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

*Full-Stack Developer & Technical Lead**Nov 2021 – Present*

- 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)

*Frontend Developer (Freelance)**Jan 2021 – Dec 2022*

- 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)

*Frontend Developer**Mar 2019 – Oct 2021*

- 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)

*Frontend Developer**Sep 2017 – Mar 2019*

- 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**

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