

# TONY AJI PALGUNO

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Software Developer | Frontend (ReactJS, NextJS, React Native) | Backend (.NET Framework, ExpressJS) - Serang, Banten

Result-oriented Full-Stack Software Engineer with 3+ years of experience building scalable web applications, RESTful APIs, and microservices. Specialized in JavaScript ecosystem (Next.js, React.js, Express.js, Node.js) and .NET Core, with hands-on experience in cloud services (GCP, Azure SSO) and CI/CD pipelines. Proven track record of delivering enterprise-grade solutions processing hundreds of thousands of records, implementing complex multi-tier approval workflows, and leading microservices migrations. Strong collaborator who thrives in agile environments and continuously adapts to emerging technologies.

## Work Experiences

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### PT Mass Rapid Transit Jakarta (PT MRT Jakarta) - Wisma

Feb 2025 - Present

Nusantara, Jakarta

Software Engineer

- Contract Monitoring System (ConMon) -
- Led full-stack modernization of Contract Monitoring application using React 18, Redux Toolkit, Material-UI 6, Express.js, and migrated to microservices architecture (Frontend, Backend API, Notifier, Scheduler) for improved scalability.
- Designed and implemented Multi-tier Approval Workflow with role-based access control (RBAC) supporting 5 user roles and granular permissions (approve, edit, delete, create, view) based on organizational hierarchy.
- Built integrated Document Management and Notification System for contract lifecycle tracking, including file upload with drag-and-drop, versioning, deadline reminders, and Azure SSO authentication.
- Marti ID -
- Developed Excel Data Migration feature for importing Monday.com data to Marti.id, processing hundreds of thousands of records with column type detection, validation, and error handling.
- Built end-to-end Licensing Plan System with multi-tier subscriptions (Free/Pro/Enterprise/Trial), credit-based payments, plan expiration tracking, and individual/company billing management.
- Implemented Self-Registration with email verification, Free Trial system with auto-downgrade, and Column Reordering via drag-and-drop.
- Created Workspace Image Management for custom profile/cover images with GCP integration.
- Led Microservices Migration for notification services and background workers, improving scalability and deployment flexibility.
- Performed extensive bug fixing and UI/UX improvements across frontend and backend to enhance application stability and user experience.

### PT Bank Negara Indonesia Tbk - Jakarta, Penjompangan

Jul 2023 - Dec 2024

Software Developer

- Code Development Electronic Loan Origination (Elo) Produktif.
- Code Development Electronic Loan Origination (Elo) Konsumtif.
- Create Service & API with DotNet Core 6.
- Build Frontend ASABRI.
- Testing & Documentation App Before Production.
- SQL Injection (SAST).
- Create Lowcode Apps (Ms Power Apps).
- Change Password, Validation & Reset Password For All Apps.
- Project LMS (Loan Management System).

- Develop RnD Project Core LMS using NextJS

### **YABB & GoTo | Generasi Gigih 2.0 - Jakarta, Indonesia**

Feb 2022 - Jul 2022

Frontend Engineer

- Successfully completed creating a website project using React js and Chakra UI.
- Collaborate using GitHub with project partners.
- Successfully get certification from Cakap.com (English course).
- Successfully completed courses and certifications from Progate in the form of HTML & CSS, Javascript, and React js materials.
- Conducting Technical Classes with experienced mentors from GoTo every two days a week.

### **Lepkom - Lembaga Pengembangan Komputerisasi Universitas Gunadarma - Depok, Jawa Barat**

Sep 2021 - Sep 2022

Laboratory assistant

- Conduct Assessment and Absence practitioner.
- Supervise students during the course.
- Assist in the implementation of lecture activities.
- Selected course material training.

### **BumiNala Books - Bandung, Indonesia || WFH**

Dec 2021 - Mar 2022

IT Management Support

- Perform maintenance of the Buminala.com website using WordPress and Elementor.
- Fix Bugging Website Buminala.com
- Collaboration with other divisions to develop projects.
- Website evaluation with vendors.

## **Education Level**

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### **Gunadarma University - Depok, Jawa Barat**

Sep 2018 - Dec 2022

Bachelor of Informatics Engineering, 3.41/4.00

## **Organization & Certification**

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### **BNSP - LSP - Depok, Jawa Barat**

Sep 2022

Junior Web Programmer

SKKNI

### **Progate (Certification) - Jakarta, Indonesia**

Mar 2022 - Aug 2022

HTML & CSS, GIT, JavaScript, React JS

### **Lepkom - Depok, Jawa Barat**

Jan 2019 - Jul 2022

Courses and Certifications

- Mikrotik (fundamental, beginner & intermediate).
- Cisco (fundamental, beginner & intermediate).
- Fundamental ERP (Enterprise resource planning)
- XML Programming Language Workshop

### **Fajrul Islam (Organization) - Depok, Gunadarma University**

Oct 2019 - Feb 2022

Syiar Staff

- Teacher at a reading garden for children around campus.
- Participation in Organizing Seminars.
- Head of Syiar Masyarakat
- Annual project creation

## Skills, Achievements & Other Experience

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- **Frontend:** React.js, Next.js, React Native, TypeScript, Redux Toolkit, Material-UI, Tailwind CSS, Bootstrap, Razor, Cordova
- **Backend:** Node.js, Express.js, .NET Core (C#), RESTful API, Microservices Architecture
- **Database:** MySQL, SQL Server, PostgreSQL, MongoDB, Mongoose, Sequelize ORM, Redis
- **Cloud & DevOps:** Google Cloud Platform (GCS), Aliyun Cloud, Cloudinary, Azure SSO, Docker, Jenkins, CI/CD
- **Tools:** Vs Code, Visual Studio, SSMS, Postman, TortoiseSVN, IIS, JIRA, GIT (Github, Gitlab, Fork), Adobe XD, Figma, Power Apps, Cisco, Mikrotik
- **Soft Skills:** Beginner of English, Proficient in Indonesian, Communicative, Creative, Teamwork, Learner.
- **Experienced:** Basic Networking (Cisco & Mikrotik), Web Apps With Capacitor, React Native, UI Design, Prototype, Figma, Adobe XD.