

RAJA ADI PRANATA

Computer Science & Statistics Professional

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PROFESSIONAL SUMMARY

Results-driven Computer Science & Statistics professional with expertise in architecting robust full-stack web applications and engineering data-driven solutions. Proven track record in developing high-performance platforms using Laravel, Next.js, and TypeScript, alongside deploying scalable CI/CD pipelines via GitHub Actions and Vercel. Adept at translating complex datasets into actionable business intelligence through advanced SQL, Python, R, and Tableau dashboards.

EDUCATION

BINUS University *2022 — Present*

Bachelor of Computer Science & Statistics (Dual Degree) *Jakarta, Indonesia*

- **Key Coursework:** Software Engineering, Data Structures, Multivariate Analysis, Statistical Computing, Web Programming, Database Systems.

CORE COMPETENCIES & TECHNICAL SKILLS

Programming Languages: TypeScript, JavaScript, PHP, Python, R, SQL, HTML5, CSS3
Frameworks & Libraries: Next.js, React.js, Laravel, Livewire, Filament, Tailwind CSS, Framer Motion
Data Engineering & Analytics: Tableau, MySQL, SQLite, Statistical Modeling, Data Visualization, Predictive Analytics
DevOps & Tools: Git, GitHub Actions (CI/CD), Vercel, cPanel, Figma, VS Code

PROFESSIONAL EXPERIENCE & TECHNICAL PROJECTS

Doctor Research Management Association, BINUS University *Feb 2026 — Aug 2026*

Web Developer Intern | 6 Months

- **Developed** the official web platform (asosiasidrm.id) to streamline administrative workflows and enhance communication for doctoral students and alumni.
- **Collaborated** closely with researchers and management to translate complex business logic into a scalable application architecture using modern web technologies.

Folyra — Multi-User No-Code Portfolio Platform *2026*

Next.js 16, React 19, Supabase, Tailwind CSS 4, TypeScript | folyra.vercel.app

- **Architected** a scalable, no-code portfolio builder enabling users to create over 400,000 visual combinations through the modular Folyra Themes design engine.
- **Engineered** a secure multi-user backend with Supabase PostgreSQL, Auth, Storage, and strict Row Level Security (RLS) to isolate portfolio data between user accounts.
- **Developed** Folyra Studio, Folyra Page, and granular Master and Assistant administration areas with server-enforced permission boundaries.

Asosiasi Alumni DRM BINUS — Full-Stack Web App *2026*

Laravel 12, Filament, Livewire, Tailwind CSS | asosiasidrm.id

- **Engineered** a highly scalable production alumni platform facilitating secure authentication, event management, and online donations for thousands of users.
- **Architected** robust administrative workflows utilizing Filament, enabling seamless content management, data analytics, and user engagement tracking.
- **Spearheaded** deployment infrastructure on cPanel, integrating automated CI/CD pipelines via GitHub Actions, cron job optimization, and advanced queue scheduling.

IDX Trading Lab — Market Analysis Web App *2026*

Next.js, TypeScript, Tailwind CSS | idx-trading-lab.vercel.app

- **Developed** a comprehensive trading research laboratory enabling users to explore and analyze Indonesian stock market data efficiently.
- **Optimized** the user interface for rapid data scanning and deployed the serverless architecture on Vercel to ensure 99.9% uptime.

Foodies — Full-Stack Recipe Application *2026*

Laravel 11, Blade, Tailwind CSS, MySQL | foodies.infinityfreeapp.com

- **Designed and implemented** an end-to-end recipe management platform featuring secure user authentication, complex CRUD operations, and responsive web design.

Palorant — Interactive Front-End Web Experience *2024*

HTML5, CSS3, Vanilla JavaScript, Figma | rajapranata512.github.io/palorant-website

- **Translated** high-fidelity Figma prototypes into a production-ready, multi-page application demonstrating advanced DOM manipulation and interactive CSS styling.

RESEARCH, ANALYTICS & PUBLICATIONS

From Words to Wages — Text Mining on Job Descriptions *2026*

- **Architected** a machine learning pipeline applying TF-IDF extraction and regularized regression (Ridge, Lasso) on bilingual job descriptions to predict salary determinants.
- **Spearheaded** empirical analysis confirming that higher salaries strongly correlate with senior cues, English proficiency, and Jakarta-based locations, achieving a Test $R^2 \approx 0.21$.
- **Published** findings as an accepted paper for presentation at ICAKMPET-2026.

Music & Mental Health — Quantitative Research Paper *2023*

- **Conducted** rigorous statistical analysis using Python to evaluate the efficacy of music as a mental health treatment factor.
- **Published** findings in the peer-reviewed JUPTI academic journal, showcasing ability to derive actionable insights from complex datasets.

Canonical Correlation Analysis — Psychological Health Study *2025*

- **Executed** advanced Canonical Correlation Analysis (CCA) in R to quantify the relationship between campus environment metrics and student psychological health.

Executive Business Analytics Dashboards *2025*

- **Designed** high-impact Tableau dashboards to monitor sales KPIs, customer segmentation, and strategic business metrics for executive stakeholders.

LEADERSHIP & CERTIFICATIONS

HIMSTAT (Statistics Student Association) — BINUS University *2022 — 2023*

- **Directed** cross-functional teams as Event Lead for the 2022 Community Service (P2M) initiative, ensuring project delivery within strict timelines.

Beelingua English Language Proficiency Certificate — Validated professional working proficiency in English communication and documentation.