Arvin Paolo Q. Diaz

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SUMMARY

Full Stack Software Engineer with professional experience developing, deploying, and maintaining modern web applications across frontend, backend, and cloud environments. Proficient in Laravel, React, Node.js, MySQL, and RESTful API development, with hands-on experience in Docker, AWS, Linux server administration, and automated testing. Experienced in supporting the complete software development lifecycle, from designing and implementing features to deploying, maintaining, and troubleshooting production applications.

TECHNICAL SKILLS

- **Frontend Engineering:** React.js, HTML5, CSS3, Bootstrap, WordPress, NextJs
- **Backend Engineering:** Laravel, PHP, Node.js, Express.js, CodeIgniter
- **Database:** MySQL, MongoDB, Redis
- **Cloud & Deployment:** Docker, Docker Compose, AWS EC2, Linux, Nginx, GitHub Actions
- **Testing & Quality Assurance:** Jest, Playwright, Mocha, Chai
- **Development Tools:** Git, Postman
- **Software Engineering Practices:** SDLC, Agile Methodologies

PROFESSIONAL EXPERIENCE

Searix - Full Stack Web Application Developer

Jul 2025 – Present | Remote

- Deployed and customized event management applications for **30+ client events**, reducing client setup time by **30%** through optimized configuration workflows.
- Enhanced and maintained production event management applications by implementing new features, resolving bugs, monitoring application performance, and supporting evolving client requirements.
- Contributed to the migration of core applications to **PHP 8.4**, improving application performance, maintainability, and compatibility with modern PHP standards.
- Developed unit and integration tests using **Jest** with mocked dependencies for **React, TypeScript, and Prisma** applications, improving code quality and reducing regression risks.
- Implemented end-to-end testing with **Playwright**, validating critical user workflows and reducing production regressions before deployment.
- Supported **2–5 concurrent client projects**, balancing feature development, production support, deployments, and issue resolution in fast-paced delivery environments.
- Collaborated with cross-functional teams to deliver production-ready software while meeting client deadlines and maintaining application reliability.

Department of Science and Technology – Philippine Textile Research Institute (DOST-PTRI) – Project Technical Assistant IV

Oct 2024 – Jun 2025 | Taguig City, PH

- Led the migration of the official government website from **Joomla to WordPress**, improving content publishing efficiency by **40%** while increasing maintainability and scalability.
- Designed and developed an event management system featuring user authentication, profile management, and registration workflows, reducing manual registration efforts by **50%**.
- Optimized database operations and application performance, increasing overall system availability from **95% to 99.9%.**
- Collaborated with stakeholders to gather technical requirements and translate operational workflows into software solutions.
- Worked within a government organization to deliver reliable software solutions supporting research and public service operations.

Power Integrations Inc. – Intern, LED Department

Jun 2019 – Jul 2019 | Pasig City, PH

- Tested LED product prototypes and provided technical feedback influencing final design iterations
- Completed 240 hours of hardware and software integration work

PROJECTS

Personal Blog Platform *(React, Vite, REST API, Vercel, Cloudflare)*

- Developed and deployed a production-ready frontend for a personal blogging platform using React and Vite.
- Integrated a custom REST API to support article browsing, authentication, and content management features.
- Configured production deployment on Vercel with a custom domain managed through Cloudflare and GoDaddy.
- Optimized responsive layouts and frontend performance for desktop and mobile devices.

Personal Blog API *(Node.js, Express.js, MongoDB)*

- Designed and developed a RESTful backend API supporting article management, authentication, and protected administrative operations.
- Implemented CRUD operations, middleware-based authentication, and structured routing to promote maintainable and scalable application architecture.
- Serves as the backend powering the production Personal Blog Platform.

ReUseMe - Resume Management Platform *(Laravel, SQLite, Tailwind CSS)*

- Developed a multi-user web application for creating and managing multiple resume versions tailored to different job applications.
- Implemented authentication, profile management, and dynamic resume generation using Laravel and SQLite.
- Designed a lightweight architecture optimized for local deployment and rapid iteration during resume customization.

Job Application Tracker *(Laravel, MySQL, Tailwind CSS)*

- Developed a multi-user application for tracking job applications across multiple companies and recruitment platforms.
- Designed relational database structures and CRUD workflows to manage applications, statuses, and user accounts efficiently.
- Built using Laravel and MySQL with a focus on maintainability, clean architecture, and rapid feature development.

Wedding Website Platform *(Next.js, Vercel)*

- Designed and deployed a production-ready static website hosted on Vercel with a custom domain and responsive user interface.

- Optimized static site generation and page performance to deliver fast load times across desktop and mobile devices.
- Implemented a maintainable frontend architecture suitable for future expansion into dynamic RSVP and event management features.

EDUCATION

University of Santo Tomas
Bachelor of Science in Electronics Engineering
GWA: 1.875

PROFESSIONAL TRAINING

Zuitt Coding Bootcamp
Certificate of Completion
Full-Stack Web Development (MERN Stack)

ADDITIONAL TECHNICAL TRAINING

- PHP & Laravel Development
- MySQL Database Development
- Javascript Object-Oriented Programming
- Java & Spring Boot Fundamentals
- Unit Testing Fundamentals

CONTINUING PROFESSIONAL DEVELOPMENT

Currently Completing

- Ultimate AWS Certified Solutions Architect Associate (Stephane Maarek)
- The Ultimate DevOps Bootcamp (KodeKloud)

Supplementary Coursework

- Linux Command Line Fundamentals
- Intro to Networking
- Nginx Fundamentals
- Python for Beginners

ADDITIONAL CREDENTIALS

- Professional Civil Service Eligibility (Career Service Professional)