

# JAMES PAUL L. TULOD

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## TECHNICAL SKILLS

- ❖ Web Development – PHP, HTML, CSS, JavaScript, Node, Python
  - ❖ Web Frameworks/Libraries - Vue, Symfony, Laravel, CodeIgniter
  - ❖ Databases - MySQL, PostgreSQL, and MongoDB
  - ❖ Tools - VSCode, Git, Github, Visual Studio, JetBrains, Jira, Azure, npm, and Linux
  - ❖ Others - C#, Java, and Android Development
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## PROFESSIONAL EXPERIENCE

### Electronic Transfer and Advanced Processing Inc.

*Research and Development Engineer*

**January 2025 – Present**

- ❖ Architected and implemented advanced feature enhancements for a high-volume B2B online cash disbursement system, leveraging Laravel API architecture and Vue.js frontend framework to optimize transaction processing capabilities and improve system scalability for enterprise-level financial operations.
- ❖ Engineered an innovative automated employee request management system by strategically integrating Google Workspace ecosystem (Google Sheets, Drive, and Apps Script), incorporating geolocation API for location-based validation and developing custom Apps Script applications to streamline approval workflows and enhance operational efficiency.
- ❖ Collaborated with cross-functional teams to research and develop cutting-edge solutions for financial technology challenges, contributing to the continuous improvement of payment processing systems and digital financial services infrastructure.

*Software Engineer*

**April 2024 – December 2024**

- ❖ Engineered a comprehensive feature enhancement for an existing open-source HRIS built with Symfony and VueJS, developing a sophisticated employee benefits reimbursement system. Designed and implemented a robust request tracking mechanism with advanced reporting and analytics capabilities, significantly improving organizational efficiency and transparency in benefits management.
- ❖ Developed an innovative visitor management solution by strategically integrating Google Workspace tools (Google Forms, Sheets, Sites, and AppScript), transforming manual visitor logging into a streamlined, digital tracking system that enhances security and record-keeping processes.

### Technomancer Inc.

*Analyst Programmer*

**May 2023 – January 2024**

- ❖ Diagnosed and resolved critical system vulnerabilities in a PHP CodeIgniter-based accounting platform, addressing complex issues including rate calculation inaccuracies, report export complications, and data integrity challenges, thereby ensuring system reliability and operational accuracy.
- ❖ Conceptualized and developed a sophisticated Shopify application for recipe management using React and Node.js, demonstrating advanced full-stack development skills. Implemented comprehensive backend architecture including migrations, models, routes, and controllers, while leveraging Shopify AppBridge and Polaris for an intuitive, professional user interface. Successfully integrated the application with an SQLite database to provide seamless recipe storage and retrieval.
- ❖ Architected a dynamic blog feature for an e-commerce website using Laravel and Vue, creating a comprehensive content management system with full CRUD (Create, Read, Update, Delete) functionality, enhancing the website's interactive capabilities and user engagement.

*Analyst Programmer Intern*

**March 2023 – May 2023**

- ❖ Successfully completed intensive CodeIgniter and Laravel training, demonstrating rapid skill acquisition and professional adaptability by consistently addressing and implementing code review feedback from senior developers.
- ❖ Collaborated directly with clients to translate complex business requirements into technical solutions, showcasing strong communication and problem-solving skills. Proactively managed project development cycles, troubleshooted system issues, and implemented innovative features while maintaining transparent communication through regular progress updates during weekly client meetings.

## ACCOMPLISHED PROJECTS

- ❖ RxPress: Online Medicine Web Application (PHP) - *Backend Developer*
    - Created exclusively using vanilla PHP, this application utilizes MySQL as its database. It employs Stored Procedures, User Defined Functions, and Views for data querying and manipulation purposes.
  - ❖ Foodtrip: Food Ordering Web Application (NodeJS and CodeIgniter) - *Backend Developer*
    - The language and framework used for the backend is NodeJS and Express. MySQL is the database and using Sequelize as Database ORM.
  - ❖ myPUPQC: Student Portal for PUPQC (Nodejs and CodeIgniter) - *Lead Developer*
    - The language and framework used for the backend is NodeJS and Express. PostgreSQL is the database and using Sequelize as Database ORM.
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## EDUCATION

### **Polytechnic University of the Philippines**

**June 2019 – July 2023**

*Bachelor of Science in Information Technology*

- ❖ Consistently achieved top academic honors: 2x Dean's List and 1x President's List
- ❖ Awarded Junior Programmer of the Year
- ❖ Recipient of Best in Capstone Project for myPUPQC
- ❖ Active member of Software Research Group as a Developer

### **STI College Fairview**

**June 2017 – March 2019**

*ICT - IT in Mobile App and Web Development*

- ❖ Graduated with Academic Excellence, receiving High Honor distinctions
  - ❖ Recognized as Best Programmer at ICT Exposition
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