

# PAVARUTH PENGCHAROEN

Software Developer

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## Summary

Senior Full-Stack Developer with 8+ years of experience in designing scalable web applications and leading teams to deliver impactful solutions. Skilled in leveraging modern technologies to tackle complex challenges and enhance user experiences.

## Education

### Rangsit University

Bachelor of Science  
Jan, 2016 - Jan, 2020

## Technical Skills

JavaScript, React, Next.js, Node.js, TypeScript, AWS, Git, Docker, MySQL, REST API, PHP, MongoDB, CI/CD (Jenkins, GitHub Actions), Vue.js, Redis, TailwindCSS, Framer Motion, JWT (Authentication), Python, Express.js, Vite, Shadcn/UI, Vite, PostgreSQL, Socket.io, Google Analytics & GTM, Ant Design, Microservices

## Soft Skills

Collaboration, Problem-solving, Communication, Time management, Result-oriented

## Additional Skills

Public Speaking, Writing, Research

## Languages

English, Thai

## Work Experience

### EPAM Systems

Dec, 2023 - Present

Senior Software Engineer

- Developed internal tools using React.js, TypeScript, JOY UI, and Figma to streamline business operations and improve environmental impact insights.
- Created a Next.js web application for manufacturing processes, improving resource efficiency and cost estimations.
- Contributed to the development of an internal big data analysis tool for reservoir engineers, enabling optimization of oil production through data-driven insights.

### Ogilvy

Apr, 2022 - Nov, 2023

Senior Software Developer

- Led the development of interactive LED display software using React, TailwindCSS, and react-spring, enhancing client engagement by creating dynamic, responsive displays.
- Integrated facial recognition using TensorFlow and Face API, enabling personalized user interactions and targeted content delivery in real-time.
- Developed targeted advertising software using OpenCV for real-time object recognition and audience analysis, improving advertisement effectiveness.
- Managed a team of 5 developers, delivering projects for top-tier clients such as Nestlé, MILO, Krungthai Bank, and more, ensuring on-time, high-quality delivery.
- Implemented CI/CD pipelines using GitHub Actions, streamlining deployments and reducing deployment time by 40%.
- Developed internal automation tools using Node.js, Axios, and Puppeteer, boosting productivity by automating 20+ operational tasks.
- Delivered presentations on a range of technical topics, including React, TensorFlow, and CI/CD best practices, to enhance team knowledge and foster a collaborative learning environment.

### Ogilvy

Jan, 2021 - Mar, 2022

Software Developer

- Developed key e-commerce features for NEO Corporate using PHP, Laravel, and Amazon services, enhancing security and reducing bounce rates.
- Optimized infrastructure for Pruksa Real Estate with AWS services, improving performance and cost efficiency.
- Created scalable data-flow diagrams and developed user-friendly frontend and API using JavaScript, Node.js, and Next.js.
- Built and optimized websites for clients like BG Glass, Krungthai Bank, and TTB Bank, ensuring seamless user experiences and high traffic performance.

- Secured and debugged WordPress sites for clients, ensuring enhanced security and trust.
- Led server migrations for Singha and Boonrawd Brewery, improving internal security and operational efficiency.
- Maintained and optimized Nestlé Thailand's websites, ensuring smooth performance with bug fixes and enhancements.
- Implemented Google Tag Manager across sites to improve tracking and analytics for data-driven marketing.
- Developed a custom award listing feature for PETA's campaign to boost user engagement.
- Set up secure intranet systems for MG Cars Thailand, enhancing data privacy and access control.

## **Kiluth**

Apr, 2016 - Jul, 2020

### Software Developer

- Designed branding assets and digital materials: Created the company's logo, portfolio, and advertising content using Adobe Photoshop, Illustrator, and XD.
- Developed a CMS for the company's blog: Built using HTML, SCSS, JavaScript, jQuery, Bootstrap, PHP, MySQL, and REST APIs for dynamic and responsive content management.
- Created a website for a real estate agent: Designed the website and logo with Adobe Photoshop, Illustrator, and XD, built a MySQL database and REST API using PHP, and developed the frontend using HTML, SCSS, JavaScript, jQuery, and Mapbox API for location-based features.
- Developed a university-grade management application: Utilized HTML, SCSS, JavaScript, jQuery, PHP, MySQL, and REST APIs for efficient grade management.
- Created an online quiz platform for kindergarten assessments: Developed the platform with HTML, CSS, JavaScript, and jQuery for interactive learning experiences.
- Developed the CMCC mobile web app: Built with Next.js, TailwindCSS, Ant Design, and Storybook.js, implemented a headless CMS with Strapi.js, and automated deployments with GitHub Actions.

## **Projects**

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### **IADR-SEA | True Digital x Chula**

<https://www.iadr-sea.com>

- Designed and developed a dentistry video conference web app, utilizing Adobe XD for UI/UX and React with Firebase for a responsive, real-time scheduling system.
- Integrated StreamYard API for seamless live video consultations, enhancing user accessibility and engagement.
- Implemented real-time chat with Socket.io and Node.js, enabling instant communication between patients and professionals.
- Automated deployment with CI/CD pipelines using Jenkins for consistent, timely updates.
- Deployed the application with Docker, Nginx, Certbot, and DigitalOcean, ensuring scalability, security, and reliable production performance.

### **Workout Diary Web App**

<https://voids.poompengcharoen.dev/workout-diary>

- Developed the Workout Diary app to display Strava workout data with React and Framer Motion for smooth UI transitions.
- Implemented a dynamic year-based workout timeline.
- Utilized localStorage for caching API responses with custom cache expiry logic to optimize performance while ensuring data freshness.
- Integrated OAuth for secure Strava authentication and token management.
- Optimized data fetching with axios and dayjs for efficient retrieval and storage.
- Managed workout data aggregation on the server, combining metrics like duration, distance, and speed.
- Created an interactive, scrollable interface with custom scroll handling for both desktop and mobile.
- Added custom styling using React hooks to enhance visual design and user interaction.

### **Portfolio**

<https://www.poompengcharoen.dev>

- Built a responsive portfolio using Next.js with server-side rendering for optimized performance.
- Designed with Tailwind CSS, enabling a utility-first approach and custom styling.
- Implemented interactive animations using Framer Motion for smooth UI transitions.
- Optimized app performance with Vercel Analytics, Vercel Speed Insights, and Sharp for image optimization.
- Integrated Axios for efficient API calls and Day.js for date handling.
- Developed interactive audio features using Howler.js.
- Used Swiper for touch-friendly carousels and sliders.
- Managed backend data with Vercel Postgres and deployed on Vercel for global hosting.
- Enabled PDF export with HTML2PDF.js.
- Ensured code quality with ESLint and Prettier for linting and formatting.

### **CU TIP Website**

<https://tip.grad.chula.ac.th>

- Developed the frontend using Next.js (React), SCSS, and TailwindCSS for a modern and responsive user interface.
- Developed backend APIs and CMS with Strapi, enabling efficient content management and dynamic data fetching.
- Deployed the application using Docker, Nginx, and DigitalOcean, ensuring secure and scalable infrastructure.
- Optimized website performance and reliability through streamlined development and deployment processes.

### **Kiluth POS**

<https://kiluthpos.web.app>

- Developed a POS web application using React and Firebase for seamless retail transactions and user interactions.

- Implemented real-time receipt printing with Socket.io and Node.js, optimizing in-store operations.
- Designed and developed an intuitive user interface using Adobe Experience Design for a user-friendly experience.
- Streamlined backend processes with Firebase for secure data storage and real-time synchronization.