PHAN THANH SANG

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SUMMARY

Senior Frontend Engineer with 5 years of experience building scalable, high-performance web applications using React and TypeScript. Proficient in leveraging modern frontend tools, algorithms, and data structures to deliver efficient, robust solutions. Experienced in leading technical migrations, optimizing performance, and mentoring teammates. Committed to writing clean, maintainable code and driving technical excellence through collaboration.

TECHNICAL SKILLS

Languages & Frameworks: JavaScript, TypeScript, Java, React, HTML, CSS, Python, NextJS, TailwindCSS, Vite
Tools & Technologies: Cursor (AI Editor), Git, GitLab CI/CD, VS Code, Jira, Shopee Cloud Platform

PROFESSIONAL EXPERIENCE

Sea Limited, Singapore: Senior Frontend Engineer   Jan 2024 – Present
- **Leverage AI** to increase translator efficiency by allowing users to translate single or batches with AI models
- Create ticket workflows to help users manage actions with the ticket system according to conditions
- Apply new cache strategies to reduce the load for frontend assets, and reduce LCP time by **roughly 20%**
- Developed and maintained a website to showcase AI progress at Sea AI Lab, enhancing SEO and enabling high-quality, easy-to-edit LaTeX display for math equations instead of static images
- **Initiated** and led the idea for an email template management project, working cross-functionally with product managers, designers, backend engineers, and QA to prototype, develop, and launch it for all team projects
- Developed and maintained a website to showcase AI progress at Sea AI Lab, enhancing SEO and enabling high-quality, easy-to-edit LaTeX display for math equations instead of static images
- Conducted **15+ technical interviews** to identify and recruit valuable new team members
- **Mentored** new team member to familiarize with team culture and contribute to projects

Sea Limited, Singapore: Frontend Engineer   Aug 2021 – Dec 2023
- **Achieved 99%** codebase migration from JavaScript to TypeScript, significantly increasing maintainability and proactively catching issues before they occur
- Reduce hot reload time from seconds to less than 0.5 seconds, build time by 20 seconds by migrating Webpack to **Vite**
- Worked closely with the team to enhance and maintain an internal component library of **70+ components** by identifying issues and submitting merge requests
- Shared cool new tech, tools, and discoveries with the team in regular sessions, helping everyone stay in the loop and get things done faster
- Improved website performance and accessibility by implementing server-side rendering and boosting Lighthouse scores
- Technologies: TypeScript/JavaScript, ReactJS, Vite

Viettel Business Solutions, Ho Chi Minh City, Vietnam: Software Engineer   Jul 2020 – May 2021
- Made test APIs easier by integrating Swagger-UI into the project and developing testing APIs
- Made sync data **10 times faster** by utilizing thread pool optimization techniques
- Developed SOAP APIs using Java to synchronize DMS data with customer's ERP from SAP
- Designed and implemented interfaces to generate and export distributor sales reports for each promotion cycle
- Technologies: Java, Oracle Database, JavaScript

PROJECTS

Personal Portfolio Website • at *ptsang.vercel.app*   Mar 2024
A responsive website showcasing personal information and updated resume with modern UI/UX design.

Pathfinding Visualizer • at *ptsang-path-finding.vercel.app*   Aug 2023
Interactive web application to visualize pathfinding algorithms including A*, Dijkstra, BFS, and DFS.
- Implemented drag and drop functionality for start point and endpoint to recompute paths in real-time

Conway's Game of Life • at *ptsang-game-of-life.vercel.app*   Aug 2023
Web-based simulation of Conway's Game of Life cellular automaton with interactive controls.
- Implemented efficient rendering and user interaction for cellular automaton simulation

Time Attendance System with Face Recognition   Nov 2019 – Apr 2020
Full-stack web application for employee attendance tracking using facial recognition technology.
- Implemented all features: RBAC, face registration, check-in/check-out, and comprehensive reporting
- Enabled employees to check in and out from work using face recognition and extract data to files

EDUCATION

Bachelor of Science, Information Systems   Graduated Jun 2020
VNU - HCM University of Science