THASANEE PUTTAMADILOK

Software Engineer & Product Owner

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PROFESSIONAL SUMMARY

Full-stack Software Engineer with 5+ years of experience combining technical expertise in React, TypeScript, Python, and modern web technologies with Product Owner capabilities. Currently building AI chatbot applications, including a stock market analysis chatbot using Python, LLM APIs, Ollama, and Hugging Face models. Proven track record in fast-paced startup environments, cross-functional collaboration, and delivering AI-augmented solutions.

TECHNICAL SKILLS

Languages & Frameworks: JavaScript/TypeScript, Python, Go, Ruby on Rails, React, Redux, Next.js, Node.js
Frontend: HTML5, CSS/SCSS, TailwindCSS, Material UI, D3.js · **APIs:** REST, GraphQL, JSON, JSONPath ·
DevOps: Docker, AWS, Azure, CI/CD, GitHub Actions · **Databases:** PostgreSQL, MongoDB, MySQL · **AI:** LLM APIs (OpenAI, Anthropic), Ollama, Hugging Face, RAG systems, pgvector, NotebookLM

AI & INNOVATION

- **Stock Market AI Chatbot:** Building conversational AI for market analysis using Python, LLM APIs, and ML models for predictive analytics and natural language trading insights
- **RAG Systems:** Implementing semantic search with PostgreSQL/pgvector and experimenting with Ollama for local LLM deployment
- **Content Platform:** YouTube channel leveraging NotebookLM and Hugging Face models for AI-assisted educational content creation

WORK EXPERIENCE

Software Engineer | Marketron, Opelika, AL | Jan 2024 - Sep 2024

- Modernized Tenant Manager platform with React, Redux, and Material UI, establishing responsive UI for operational teams
- Architected RabbitMQ message queue system for automated multi-step tasks including market setup and tenant configuration
- Enhanced CI/CD pipeline with GitHub Actions, achieving 85% test coverage and reducing deployment failures by 90%
- Implemented RBAC across provisioning services, streamlining onboarding for 50+ tenants monthly

Software Engineer | Rice University, Houston, TX | May 2023 - July 2024

- Led migration of Historical Mapping Initiative from Vue to React/TypeScript, improving productivity by 20%
- Designed data-driven dashboards with React, Plotly, and AG Grid, increasing user retention by 30%
- Optimized D3.js/Leaflet rendering, improving map performance by 25% for 600K+ users

Software Engineer | Gigamon, Santa Clara, CA | Aug 2022 - Dec 2022

- Refactored Threat Insights UI with React Hooks, significantly improving maintainability and migration timelines
- Optimized state management with Redux Toolkit, reducing bugs by 20% and boilerplate code by 30%

Software Engineer & Product Owner | Level11 Consulting | Dec 2020 - Aug 2022

- **Dual Role:** Bridged technical execution with product strategy, conducting discovery sessions, prioritizing backlog, defining acceptance criteria, and leading sprint planning across multiple client engagements
- Built hedge fund analytics platform from scratch using React/Golang, delivering within 3 months with full client verification and performance tracking
- Engineered reusable React components and RESTful APIs, reducing processing time by 30% and simplifying maintenance
- Drove rapid POC development and cross-functional collaboration in fast-paced consulting environment

Software Engineer | GridWhiz, Green Tech | Oct 2019 - Nov 2020

- Improved component responsiveness by 40% through React Hooks and optimized routing, reducing server requests by 30%
- Contributed to product planning and feature prioritization in agile startup environment

EDUCATION & ADDITIONAL

Education: Bachelor of Business Administration, Ramkhamhaeng University, Bangkok, Thailand
Volunteer: Mentor, Generation Bootcamp
Speaking: ["Application Security"](#) - Jeeny & Bractlet Speaker Series