

## Technical Skills & Technologies

JavaScript (ES6+), TypeScript, HTML5, CSS + Scss, React, Redux, Nest.js, Material UI, Node.js, Express.js, NoSQL (MongoDB), SQL (PostgreSQL, SQLite3), PHP, REST APIs, GraphQL, Webpack, Git/GitHub, WebSocket, AWS (S3, CloudFront, SDK, ECS), Jest, React Testing Library, SuperTest, CI/CD, Redis, Docker, Nivo, D3.js, Jira

---

## Experiences

### OSLabs | Software Engineer | DeCluster (Open source) | Cloud Management Platform May 2024 – Present

- Optimize a React-based dashboard's rendering efficiency by 35% through Virtual DOM enhancements and development of scalable custom hooks, resulting in faster load times and improved user interactions across platforms.
- Engineer global state management with Redux Toolkit, centralizing state across 17 regional clusters to enhance data consistency and scalability by optimizing slices and selectors, simplifying integration within a complex system.
- Design a cohesive Material UI-themed data analytics dashboard, accelerating feature deployment and ensuring design consistency across modules.
- Implement interactive SVG charts with Nivo and D3.js, enhancing real-time data visualizations and boosting user engagement metrics for complex datasets.
- Optimize a high-performance Node.js backend with REST APIs using an event-driven architecture to refine HTTP traffic throughput and reliability.
- Refine API security and scalability using Express.js and AWS SDK, customizing middleware for enhanced data validation and security compliance.
- Reduce deployment times by 20% and strengthen database security by integrating SQLite3 with encrypted databases, leveraging its lightweight design to fortify system stability and reliability.
- Enable real-time updates using WebSocket, eliminating manual refreshes and increasing data delivery speed, seamlessly handling hundreds of daily notifications.
- Attain 85% test coverage in an automated CI/CD pipeline with GitHub Actions, incorporating Docker in the build process to bolster code quality and ensure reliable, consistent deployments.
- Build an application using Webpack to enhance scalability and maintainability, configured for hot module reloading, ES6+ transpilation, and minification to reduce bundle size and improve 25% load times.
- Coordinate 40+ agile sprints using Jira, enhancing team collaboration and consistently delivering MVPs on time.

### Software Engineer | JigglyDex (Open source) | APIs Integration May 2024 - Jul 2024

- Created an interactive React dashboard integrated with APIs, allowing users to manage assets through intuitive features.
- Architected Node.js/Express server to efficiently manage HTTP requests across multiple endpoints, using middleware, routers, and controllers for modularization and clearer responsibility chains, improving code readability and debugging.

### Software Engineer | Petder Better (Open source) | Pet Social Network Mar 2024 - May 2024

- Formulated PostgreSQL databases to store ACID-compliant relational data with strict schemas, enabling concurrent updates from multiple clients and ensuring real-time data consistency leveraging atomicity.
- Integrated React Router to enable seamless user experience with conditional rendering of components and to optimize rendering performance with minimal network requests in an SPA, improving page load efficiency by 20%.

### Software Engineer | LunchBox (Open source) | APIs Integration Jan 2024 - Mar 2024

- Leveraged MongoDB, NoSQL databases flexible schema and indexing capabilities to optimize data management, enhancing performance and versatility to handle diverse data structures.
  - Achieved 85% test coverage using Jest mocking features, applying TDD principles to ensure code integrity and prevent regressions, and reached 85% coverage with React Testing Library to guarantee robust frontend functionality.
- 

## Education, Professional Development and Certificates

**Master's Degree, Business Administration** | California University of Business and Technology

**Bachelor's Degree, Business Development** | Kasetsart University (Thailand)

**Advanced Residency for Software Engineering** | Codesmith

---

## Talks/Publications

Tech Talks Sponsored by Scismic | "[Microservices Architecture](#)" | July, 2024

Medium Article | "[Streamline your cluster deployments and monitoring with DeCluster](#)" | July, 2024

---

## Interests

- Configuring AI-enhanced home automation, Cooking where Thai meets Italian, releasing stress through outdoor running, and having bittersweet adventures with snowboarding