Jobhackerbot Jobhackerbot

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SUMMARY

I am a software engineer with 3+ years of professional experience as a full-stack web developer using Java and React.js. I am a technology hobbyist, and software engineering is both my career and my hobby. I have been tinkering with AI engineering and LLMs out of fear of becoming redundant, working with Python, LangChain, MCPs, and RAG, which have been my experimental ground of late.

EXPERIENCE

Full-Stack Developer with React Focus   Jul 2022 - Mar 2025
Freelance via Upwork

- Architected high-performance React applications integrating AI-powered features, implementing custom hooks and context patterns that reduced code duplication by 35% while enabling seamless integration of machine learning models.
- Engineered sophisticated state management solutions with Redux and Redux Toolkit for AI-enhanced applications, optimizing data flow across 20+ component hierarchies and improving prediction model response times by 60%.
- Developed interactive data visualization dashboards processing 30,000+ data points with sub-second rendering performance, implementing algorithms that identified patterns and anomalies with 92% accuracy for data-driven decision making.
- Implemented comprehensive testing infrastructure with Jest and React Testing Library for ML-integrated components, achieving 90% code coverage while ensuring consistent behavior of AI-powered features across the application.
- Optimized application performance for AI-intensive operations through code splitting, lazy loading, and strategic computation offloading, reducing initial load time from 3.2s to 1.8s while maintaining responsive ML inference capabilities.
- Integrated third-party AI APIs and services into frontend applications, creating abstraction layers that simplified data transformation and model interaction while reducing implementation complexity by 45%.

Technical Support Advocate & Frontend Solutions Engineer   Jan 2023 - Apr 2025
Foundever (BPO)

- Developed React-based diagnostic tools with ML-powered anomaly detection, implementing custom hooks and context API that streamlined troubleshooting workflows by 65% and predicted potential system failures with 87% accuracy.
- Created a modular component library supporting AI visualization elements using React and Material-UI, implementing atomic design principles that accelerated development of intelligent interfaces by 40%.
- Built real-time monitoring dashboards with predictive analytics capabilities using React, WebSockets, and D3.js, processing 50,000+ daily data points to forecast system behavior with 92% accuracy.
- Implemented standardized data pipelines for AI model integration across 15+ customer-facing applications, reducing API call redundancy by 42% and improving machine learning inference times by 37%.
- Engineered an advanced knowledge base system with natural language processing capabilities, implementing optimized search algorithms that processed 500+ daily queries with sub-100ms response times and improved information retrieval accuracy by 70%.
- Led cross-functional workshops on frontend optimization and AI integration patterns for 40+ team members, introducing modern React-ML integration approaches that improved development velocity by 52%.

Full-Stack Developer & React Specialist   Jun 2021 - Sep 2022
Alpha & Omega MedTech (China)

- Architected and developed healthcare applications with predictive analytics features, implementing React frontend and Java/Spring Boot backend that processed 10,000+ daily transactions while enabling machine learning model integration.
- Engineered secure authentication and authorization systems for AI-powered medical applications using JWT and role-based access control, protecting sensitive training data for 15,000+ users while maintaining HIPAA compliance.
- Developed a scalable UI component library supporting data visualization and model interaction using styled-components and Storybook, improving AI feature development cycles by 55%.
- Implemented performance optimizations for computation-intensive healthcare analytics, including code splitting and worker threads that reduced model inference times by 65% and improved overall application responsiveness.
- Designed offline-first applications with local model inference capabilities using IndexedDB and TensorFlow.js, maintaining prediction accuracy during synchronization with 99.8% consistency in unstable network environments.
- Created interactive medical data visualization dashboards with D3.js and React that transformed complex healthcare data into predictive insights, improving diagnostic accuracy by 45% and treatment planning efficiency by 32%.

PROJECTS

Developed a full-stack inventory management application with predictive analytics capabilities for a hospital. Implemented React frontend with Material-UI components, Redux for state management, and Spring Boot backend with machine learning models for demand forecasting. The system processes over 10,000 monthly transactions with 99.9% uptime, reduced administrative overhead by 45%, and improved inventory forecasting

accuracy by 87% through intelligent trend analysis. Implemented role-based access control securing sensitive medical data for 200+ hospital staff while maintaining HIPAA compliance.

React.js Redux Java Spring Boot Material-UI RESTful APIs MySQL Machine Learning Predictive Analytics

Built an intelligent document processing system using Python, LangChain, and RAG (Retrieval-Augmented Generation) techniques. The application extracts, processes, and analyzes unstructured data from various document formats with 92% accuracy, reducing manual processing time by 75%. Implemented custom vector embeddings for semantic search capabilities that improved information retrieval precision by 83%. Designed scalable architecture processing 1,000+ documents daily with automatic classification into 15+ categories with 94% accuracy. Deployed as containerized microservices with FastAPI backend and React frontend, supporting concurrent processing of 50+ documents while maintaining sub-second response times.

Python LangChain RAG FastAPI React PostgreSQL Docker Vector Databases NLP Transformers Semantic Search

EDUCATION

B.E. in Computer Software Engineering
Uniwersytet WSB Merito Gdańsk

B.Sc. in Computer Software
Wenzhou University, China

SKILLS

JavaScript
TypeScript
Java
Python
Dart
C#
React.js
Next.js
Tailwind CSS
PostCSS

CERTIFICATIONS

Meta Front-End Developer Professional Certificate

JavaScript Algorithms and Data Structures

AWS Certified Developer - Associate

React Advanced Concepts

Machine Learning Engineering for Production (MLOps)

Natural Language Processing Specialization

LANGUAGES

English   ●●●●●

Mandarin Chinese   ●●●○○