Suzy Chen

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Summary

Objective: Full-time software development engineer position, focus on full-stack product development.
Languages: Python, Java, JavaScript, SQL, R, PyTorch, TensorFlow, Scikit-learn.
Technical Skills: RESTful, Node.js, React.js, MERN, GitHub Actions (CI/CD), Docker, MySQL, NoSQL, MongoDB, Spark, Kafka, Hadoop, AWS (Lambda, S3, DynamoDB, ECS, ECR, ALB), LLaMA, Hugging Face, LangChain, RAG, NLP, Transformers, Agentic AI, Tableau, Figma, Pinecone.

Professional Experience

Kismet.xyz | AI/ML Full Stack Engineer   Jan. 2025 – Now
Oil and Gas Dashboard Microservices Development

- Architected and developed an interactive oil and gas management dashboard, building a full-stack solution from data ingestion to the user interface.
- Engineered the backend infrastructure on AWS, building scalable distributed data pipelines with Glue, Lambda, and S3, designing DynamoDB schemas, and developing REST API endpoints to support the application.
- Designed UI/UX in Figma and implemented the frontend using React and Tailwind CSS, providing business stakeholders with intuitive key operational metrics visualization.
- Engineered and deployed RAG Agentic AI solutions with tool-calling capabilities, integrating with external platforms like Messages, Email, and Discord to automate business functions.
- Managed the full software development lifecycle, establishing CI/CD pipelines using GitHub Actions, creating production monitoring dashboards, and reducing cloud costs by 87%.

Bank of China | Software Engineer   Aug. 2020 – Jun. 2023
Credit Risk Scoring System Model Research and Development

- Engineered a high-performance credit risk scoring system using Random Forest and XGBoost to process 1M+ monthly loan applications, improving prediction accuracy by 15% and reducing manual review by 70%.
- Built multiple behavioral and application scorecards on Hive and Hadoop for TB-scale data, increasing pre-loan approval efficiency by 20% and lowering credit default rates.
- Delivered 10+ data modeling projects covering credit risk, anti-fraud, and customer churn prediction.
- Enhanced the risk system with an automated early warning model using Z-score and multi-dimensional indicators, flagging 200+ high-risk customers per quarter and cutting potential losses by 10%.
- Streamlined development by collaborating on an Agile framework, shortening deployment cycles by 30%.

Projects

FoodieBot: AI-Powered Food Review Chatbot | *MERN, LLaMA3.1, LangChain, AWS, MongoDB, Pinecone*

- Built a full-stack chatbot using MERN and LLaMA3.1 for restaurant recommendations with real-time chat.
- Developed REST APIs with FastAPI, integrating MongoDB and Pinecone vector search for query handling.
- Optimized a RAG pipeline using LangChain and Pinecone, processing large-scale Yelp datasets efficiently.
- Deployed scalable AWS infrastructure with Lambda, ECS, and CI/CD pipelines; created a React frontend with Framer Motion for session management and chat UI.

ChessSite: Online Chess Platform | *TDQM, Java, Hadoop, HTML5/CSS3, MongoDB*

- Implemented Hadoop-based distributed data processing with TDQM principles for game analytics, achieving 30% reduction in data inconsistencies and developing MongoDB data warehouse for subscription and gameplay data management.
- Built Java-based clustering algorithm for personalized content recommendations and created HTML5/CSS3 data visualization dashboards to enhance data-driven decision-making processes.

Education

San Jose State University   Aug. 2023 – May. 2025
Master of Science in Interdisciplinary Engineering in Data Science | GPA: 3.80/4.0

Shanghai University of Finance and Economics   Sep. 2016 – Jul. 2020
Bachelor of Economics in Mathematical Economics | GPA: 3.00/4.0