JIANG Zhicong

Software Engineer | AI/ML | Full-Stack Developer

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PROFESSIONAL SUMMARY

Passionate full-stack developer with deep interest in AI/ML technologies and proven ability to build scalable, user-focused applications. 5+ years of experience in algorithm development and software engineering, with strong background in recommendation systems, data analysis, and cloud security. Demonstrated expertise in end-to-end development, from architecture design to deployment, with track record of optimizing AI model integrations and improving system performance.

TECHNICAL SKILLS

Programming Languages: Python, Java, SQL, Shell, JavaScript
AI/ML Technologies: Recommendation Algorithms, NLP, Word2Vec, Model Optimization, A/B Testing
Full-Stack Development: Web/Mobile Backend Architecture, RESTful API, Microservices
Data Engineering: ETL, Data Processing, Analytics, Visualization, Big Data
Cloud & Security: Cloud Security, Identity Management, Access Control, AWS/EC2

WORK EXPERIENCE

FESCO Adecco (Beijing) 2023.02 - 2025.04

Safety Operations Engineer / Software Development Engineer

- Developed safety operations dashboard with end-to-end architecture design, achieving daily processing of million-level log data
- Implemented data collection, storage, cleaning, and analysis pipeline using Python and SQL
- Collaborated with cross-functional teams including security, development, and product teams
- Mentored junior engineers and coordinated with data analysts for business insights

Beijing Shengchuang Hengda Real Estate 2018.07 - 2023.01

Algorithm Engineer

- Led recommendation system algorithm optimization using Word2Vec for item embedding calculations
- Built user interest modeling based on behavior sequences, improving AUC to 75%
- Optimized recall rate by 150% (from 2% to 5%), significantly enhancing recommendation quality
- Designed and deployed scalable ML pipelines for production environments

EDUCATION

China University of Political Science and Law 2015 - 2018
Master of International Trade / Economics

China University of Geosciences 2009 - 2013
Bachelor of Mathematics and Applied Mathematics

KEY ACHIEVEMENTS

- Improved recommendation system recall rate by 150% through advanced embedding and interest modeling techniques
- Achieved 75% AUC in ranking model through algorithmic optimization and feature engineering
- Built scalable data processing pipeline handling million-level daily logs with Python and SQL
- Delivered end-to-end safety operations dashboard from architecture design to deployment

LANGUAGES

Chinese (Native) | English (Working Proficiency)

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