

Wenhao He

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WORK EXPERIENCE

Software Engineer (Full-Stack / AI)

New York, NY

Clipp Inc

September 2024 – June 2025

- Built and shipped full-stack React, TypeScript, and GraphQL features across order management, customer accounts, and purchasing flows for a B2B wholesale platform serving daily production traffic.
- Integrated the Stream Chat API for real-time messaging, supporting 500+ concurrent users across web and mobile in production.
- Wrote Jest tests across ordering, products, promotions, vendors, POs, returns, accounting, and team modules, reaching 90%+ branch coverage and catching regressions before they hit production.
- Set up Husky pre-commit and pre-push hooks to enforce linting, formatting, and build checks across the team, catching issues before they entered code review.

Software Engineer (Full-Stack)

New York, NY

CAN International Corp

April 2024 – September 2024

- Owned the React Native mobile app (JavaScript, Firebase, Azure) from kickoff through launch, delivering profile, rewards, payments, and job board features for 300+ members.
- Added job browsing, description pages, and a posting submission flow so members could find and share opportunities in-app.
- Plugged in Azure Form Recognizer to auto-extract fields from uploaded job description PDFs, saving users from re-typing everything manually.
- Compressed and resized profile images before writing them to Firebase, which dropped load times from minutes to seconds.

PROJECTS

ResumeMatch (API Gateway, Lambda, DynamoDB, Textract, Bedrock, Cognito, CloudFront)

Serverless AI resume analysis platform built using React and TypeScript

Dec 2025 – Present

- Built a serverless 4-pass LLM pipeline (Textract OCR → keyword extraction → match scoring → AI rewrite) processing resumes in 26s avg with 100% reliability and zero throttled requests.
- Ships with score breakdowns, keyword gap analysis, weighted missing-keyword ranking, AI rewrite suggestions, a Bedrock token cost dashboard, and a DynamoDB-backed outreach tracker, all running at \$0.004/analysis (97% cheaper than always-on infrastructure).

Personal Blog Platform (Node.js, Express, MongoDB, React)

Full-stack content publishing platform

Jun 2025 – Present

- Built a full-stack blog from scratch featuring a public-facing site and a JWT-authenticated admin CMS with bcrypt hashing and login rate limiting.
- Backend handles CRUD, auto-generated slugs, reading time estimates, and image uploads via MongoDB Atlas, Cloudinary, and Vercel.

TECHNICAL SKILLS

Backend: .NET, ASP.NET Core, Node.js, Express, Flask, Spring, Ruby on Rails, REST APIs, GraphQL

Databases: MySQL, PostgreSQL, MongoDB, DynamoDB, Redis

Programming: Python, TypeScript, JavaScript, C, C++, C#, Java, Go, PHP, Ruby, Scala, Swift

Cloud & DevOps: AWS (Lambda, API Gateway, DynamoDB, S3, Cognito, Textract, Bedrock, CloudFront, SNS, SQS, Step Functions), Terraform, Docker, Kubernetes, GCP, Azure

Frontend & UI: React, Next.js, D3.js, React Native, Angular, HTML, CSS, Tailwind, Expo, Flutter

AI & Machine Learning: LLMs, RAG, NLP, Transformers, TensorFlow, PyTorch

Deployment & Testing: CI/CD, Jest, pytest

Tools: Git, Jira, Agile/Scrum, Datadog, Figma, Linux, ROS(coursework)

EDUCATION

University at Buffalo, SUNY

Aug 2022 – Jun 2024

Master of Science in Engineering Science, Artificial Intelligence

University at Buffalo, SUNY

Aug 2018 – Jun 2022

Bachelor of Science in Computer Science

AWS Certified Developer – Associate (DVA-C02)

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