Ayush Kanaujia

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Professional Summary

Full Stack Software Developer with 3+ years' experience building scalable web and AI-first applications using React, Node.js, and AWS. Specializes in LLM-based tools, real-time platforms, and full-cycle cloud deployment.

Skills

Languages: Python, JavaScript (ES6+), TypeScript, SQL, Java, C, HTML5, CSS3
Frontend Technologies: React, Next.js, Vue, Angular, Tailwind CSS, Bootstrap, Material UI, Chakra UI, HTML, CSS
Backend Technologies: Node.js, Express.js, FastAPI, Flask, MySQL, PostgreSQL, DynamoDB
AI/ML Tools: OpenAI API, Hugging Face, NLP, LLM, MCP, RAG, Transformers, Scikit-learn, Pandas, pyTorch, vector DB, Langchain
Cloud & DevOps: AWS (Lambda, EC2, S3, RDS, CloudWatch), Firebase, Docker, GitHub Actions, CI/CD Pipelines

Experience

Software Developer Intern
Comprehend Pt (Healthcare AI Startup)
June 2025 – Present
Amherst, NY
- Engineered an **AI** powered scribe that transcribed 5,000+ conversations/month into **EMR** ready summaries using **OpenAI LLM** and **NLP**.
- Build and tested 20+ modular **frontend** components in **React 18** and **TypeScript** for 15 EMR platforms, improving **UI** responsiveness.
- Developed an **LLM** based universal search and EMR navigation agent that reduced manual lookup time by 50%.
- Monitored and scaled **backend** services with **AWS Lambda** and **EC2**, achieving 99.9% uptime across 2 product environments.

Full Stack Software Engineer
Facility Services, Northwest Missouri State University (https://tinyurl.com/nwmsu-fleet)
Jan 2025 – June 2025
Maryville, Missouri
- Led development of a fleet tracking platform used by 5+ departments to manage 200+ vehicles.
- Built 6+ fiscal-year dashboards using **Chart.js** and **MySQL** for 20+ monthly reports on refueling and maintenance **KPIs**.
- Delivered 60% increase in admin productivity via centralized logging and 12+ **REST APIs** for vehicle management.

Graduate Teaching Assistant
Northwest Missouri State University
June 2024 – June 2025
Maryville, Missouri
- Led workshops for 200+ students on **programming**, **databases**, and **web development** (**HTML**, **CSS**, **JavaScript**).
- Boosted engagement by 50% through timely grading, personalized feedback, and mentoring support.
- Managed academic records for 500+ students, streamlining faculty reporting and data driven decision making.

Software Engineer
SPG America
June 2023 – June 2024
Piscataway, New Jersey
- Maintained and scaled 3+ internal dashboards using **React** and **Vue.js**, improving data visibility for enterprise clients.
- Collaborated with 4 **Agile** teams to ship weekly feature updates; led code reviews for 100+ PRs.

Software Developer
Northwest Missouri State University
Aug 2021 – May 2023
Maryville, Missouri
- Constructed backend **APIs** for an academic scheduling platform using **Express.js**, delivering 60% of MVP features in two months.
- Refined student-faculty interaction by 50% through a custom event-tracking tool designed with **React** and **Redux**.

Projects

Astro2Sphere.com | *React.js*, *Node.js*, *Express.js*, *MySQL*, *WebSockets.io*, *OpenAI API*, *LLM*, *AWS(EC2, RDS)*　　www.astro2sphere.com
- Launched a full-stack astrology based social platform with user signups, compatibility scoring, messenger, and real-time bookings.
- Integrated **OpenAI API** and **LLM embeddings** with **K-means clustering** to generate personalized astro compatibility scores.
- Enabled real-time **NLP** enhanced chat using **WebSockets.io**, with AI-driven insights for compatibility.
- Deployed scalable architecture on **AWS EC2/RDS** with monitoring via **CloudWatch**; exposed secure REST APIs.

Winkbuy.com | *React.js*, *Vite.js*, *Node.Js*, *Express.js*, *MySQL*, *Firebase*, *AWS(S3, EC2, RDS)*, *Multer*　　www.winkbuy.com
- Established WinkBuy.com, integrating **React.js** and **Node** to deliver a responsive and efficient **eCommerce** affiliate marketing platform.
- Optimized cloud functionality and data processes with **AWS** and **SQL**, enhancing system reliability and performance.
- Refined the user interface with **Tailwind** CSS and implemented secure authentication using **JWT**, **Firebase OAuth**, and **bcrypt.js**.

Education

Masters of Science: Information Systems (GPA: 4.00 / 4.00)
Northwest Missouri State University
Aug 2025
Maryville, Missouri

Bachelor of Science: Computer Science (GPA: 3.20 / 4.00)
Northwest Missouri State University
May 2023
Maryville, Missouri