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
June 2025 – Present
Comprehend Pt (Healthcare AI Startup) — *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.

Application Engineer
June 2024 – June 2025
*Facility Services, Northwest Missouri State University (**Project Demo**:https://tinyurl.com/nwmsu-fleet)* — *Maryville, Missouri*
- Led end-to-end development of a university-wide fleet tracking platform adopted by 5+ departments to manage 200+ vehicles.
- Built 6+ fiscal-year dashboards with **Chart.js** and **MySQL** to automate 20+ monthly reports for refueling and maintenance KPIs.
- Implemented 12+ modular **REST APIs** and centralized logging to improve admin efficiency by 60%.
- Worked alongside cross-functional team members in **Agile** sprints, ensuring on-time delivery and shared ownership of milestones.
- Integrated automation testing using **Jest** and **Playwright**, reducing regression bugs by 30% and enhancing release confidence.

Software Engineer
June 2023 – June 2024
SPG America — *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.
- Streamlined reusable **UI** components and **REST API** integrations, accelerating feature rollout and reducing dev time by 25% .

Developer
Aug 2021 – May 2023
Northwest Missouri State University — *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**.
- Authored technical **documentation** and **API** guides to support cross team onboarding and future platform maintenance.

Projects

Astro2Sphere.com | *React.js, Node.js, Express.js, MySQL, WebSockets.io, OpenAI API, LLM, NLP, 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)
Aug 2025
Northwest Missouri State University — *Maryville, Missouri*

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