Ayush Kanaujia

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Professional Summary

Full Stack Software Engineer with 3+ years of experience building scalable web apps using React, TypeScript, Node.js, and MySQL, and deploying cloud-native solutions via AWS. Delivered production systems including an AI-powered EMR transcription tool and a university-wide fleet management platform. Eager to learn and adapt to new technologies while contributing to high-impact software development in Agile teams.

Technical 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 Transformers, Scikit-learn, NLTK, Pandas, NumPy, Jupyter Notebook, spaCy
Cloud & DevOps: AWS (Lambda, EC2, S3, RDS, CloudWatch), Firebase, Docker, GitHub Actions, CI/CD Pipelines
Tools: Visual Studio Code, GitHub, GitHub Copilot, Figma, Postman, WebSockets, MySQL Workbench, Tableau, PowerBI, Excel, Cursor

Experience

Software Developer Intern
June 2025 – Present
Comprehend Pt — *Amherst, NY*
- Contributed to building an **AI medical scribe** using **OpenAI LLMs** and **NLP** to transcribe doctor–patient conversations into EMR-compatible summaries.
- Developed physician-facing components in **TypeScript**, **React 18**, **Tailwind CSS**, and **React-Bootstrap** to validate and edit AI-generated outputs.
- Built a version-controlled **Revert** feature in a Chrome extension using **Python** and **Chrome APIs** to manage AI edits.
- Assisted with EMR integration and structured output mapping for **Jane** and **Empower** platforms.
- Helped deploy and monitor services using **AWS Lambda**, **EC2**, **DynamoDB**, and **CloudWatch**.

Full Stack Software Engineer
Jan 2025 – June 2025
Facility Services, Northwest Missouri State University *(View Application)* — *Maryville, Missouri*
- Led the end-to-end development of a university-wide Fleet Management System, improving operational efficiency across 200+ vehicles.
- Designed fiscal-year-based reporting dashboards using **Chart.js** and **MySQL**, enabling real-time tracking of refueling, maintenance, and user activity.
- Increased admin productivity by 60% through centralized logging and integration of custom **RESTful APIs**.

Graduate Teaching Assistant
May 2024 – June 2025
Northwest Missouri State University — *Maryville, Missouri*
- Facilitated hands-on sessions and weekly workshops for 200+ students on **Excel**, **Access**, **HTML**, **CSS**, and **JavaScript**, improving technical confidence and retention.
- Boosted engagement by 40% through timely grading, personalized feedback, and mentoring support.
- Managed academic records for 500+ students, streamlining faculty reporting and data-driven decision-making.

Software Engineer (Freelance)
June 2024 – Sept 2024
Watts Creates Learning — *Omaha, Nebraska*
- Delivered a 5-page business website using **React.js**, increasing brand visibility by 40% through optimized **UI/UX** and SEO best practices.
- Implemented a custom **SMTP** email system using **Node**, **Express.js**, and **SQL** to automate customer communication.
- Built clean REST API integrations for seamless frontend-backend communication and enhanced user experience.

Software Engineer
June 2023 – June 2024
SPG America — *Piscataway, New Jersey*
- Maintained and scaled internal dashboards using **React** and **Vue.js**, improving data visibility for enterprise clients.
- Worked cross-functionally in Agile teams, conducting code reviews and releasing features through **GitFlow**.
- Optimized production performance using **Webpack**, resulting in reduced bundle sizes and faster load times.

Software 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**.
- Enhanced performance and reduced latency by optimizing **MySQL** queries by 15%.

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*