

AVIN SAPKOTA

SOFTWARE DEVELOPER

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SUMMARY

A Senior year Software Developer with various programming skills, working on web applications using React.js, Node.js, and Express.js. Committed to learn and grow in a collaborative environment, with a focus on writing clean and maintainable code with a good knowledge of Software Development Lifecycle. Always looking to improve and take on new challenges.

SKILLS

- **Hard skills:** JavaScript, Python, CSS, HTML, Tailwind, MySQL, MongoDB, Postgres, React.js, Express.js, Nodejs, Django, Git, GitHub, Docker, Kubernetes, VSCode, Postman, Notion, AWS, Agile, Code Reviews, Debugging, Performance Optimization, CI/CD
- **Soft skills:** Fast Learner, Leadership, Critical Thinking, Problem Solving Skills, Excellent Verbal Communication, Time Management, Attention to Detail, Good Organizational Skills, Project management, Innovative

EDUCATION

Bachelor of Science in Computer Science

End Date - May 2025

Southeast Missouri State University

- **Honors & Awards:** Received International Achievement Award & SEMO Dean's list 2022 and 2024.
- **Relevant Coursework:** Data Structures & Algorithm, Cloud Computing, Database Management, Software Engineering, Artificial Intelligence, Operating Systems

PROJECTS

Convenience App – (Gasoline Price & Direction Finder) Full Stack App

Mar 2025 – Present

- Developing a full-stack gas price tracking app with Next.js frontend and Express.js backend, integrating real-time data updates, and building a Python web scraper for accurate gas price collection, optimizing API response times.
- Implementing JWT authentication & Role-Based Access Control (RBAC) for secure admin management.
- Integrating AWS (S3, Lambda, EC2) for hosting, storage, and notifications, improving scalability.
- Automated CI/CD pipeline with GitHub Actions & AWS Code Deploy, reducing deployment time by 40%.
- Containerizing backend services with Docker, streamlining deployments.
- Setting up API monitoring & logging with AWS CloudWatch, reducing response time issues by 30%.
- Implementing unit testing (Jest, Mocha) to ensure code reliability before deployment.

Semo News App – News Portal Full Stack App

Aug 2022 – Jan 2023

- Developed a full-stack news platform with JWT-based authentication, ensuring secure login and registration.
- Built an admin panel to manage news, easy content management through listing, editing, and updating features.
- Implemented search functionality, allowing users to find relevant news articles quickly by integrating a search system.
- Enabled users to comment and update comments on articles, fostering interaction by providing a commenting feature.
- Provided admin privileges to delete inappropriate comments, maintaining content quality by adding moderation.
- Designed a responsive UI with React.js and Tailwind CSS, improving user experience by optimizing layout.

CERTIFICATION

IBM Full Stack Software Developer Professional Certificate

Present

- Relevant Technologies: HTML, CSS, JavaScript, React.js, Node.js, Express.js, Python, Django, Docker, Kubernetes, Pandas, NumPy

EXPERIENCE

Southeast Missouri State University | ShowMe Center – Event Staff

Aug 2021 – Present

- Set up and dismantled event equipment, ensuring smooth operations and minimizing technical disruptions.
- Coordinated crowd control and guest flow, reducing attendee complaints by 25% through clear communication and on-site assistance.
- Provided frontline guest support, addressing inquiries and concerns promptly, contributing to a 90% satisfaction rate in post-event feedback.

Trinity International College | Kathmandu, Nepal – IT lab Assistant

Jul 2019 – May 2021

- Maintained IT lab equipment, ensuring 100% functionality for 50+ students through regular updates.
- Identified and evaluated student inquiries and technical difficulties in a timely and personable manner.
- Promptly and personally addressed student queries and technical issues.