

Gian Singh

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EDUCATION

New Jersey Institute of Technology, Newark, NJ
Bachelor of Science in Computer Science

Dec 2024

EXPERIENCE

Freddie Mac, McLean, VA (Remote)

Mar 2025 - Present

Full Stack Associate (DevOps / Infrastructure)

- Help cut \$300K+/year costs by migrating GitLab to Bitbucket using Bash automation and cross-team coordination
- Upgraded all container images from RHEL 7 → RHEL 8, resolving compatibility issues and ensuring stability
- Quickly debugged and resolved developer issues through deep architectural system knowledge
- Maintained and updated Ansible playbooks, using Jenkins automation for faster, more reliable container deployments

Event Games.io, Newark, NJ

Jan 2024 - May 2024

Software Engineer Intern

- Led development of a customizable 3D endless runner, boosting market appeal and attracting potential buyers
- Analyzed 3D game performance, optimizing for a 60% reduction in load times and improved user experience
- Collaborated with teams to integrate client logos and ads into game environments, increasing brand visibility
- Debugged and refined game mechanics, ensuring smooth gameplay and fewer user-reported issues

Logiware Inc., Atlanta, GA (Remote)

July 2023 - Dec 2023

Backend Software Intern

- Developed Selenium WebDriver scripts in Java to ensure functionality and stability of Logiware Inc's web apps
- Refactored and optimized codebase to improve maintainability and reduce redundancy, streamlining test suites

Khalis Foundation, Milpitas, CA (Remote)

June 2021 - July 2021

Software Engineer Intern

- Developed key components of a vocabulary game using React Native, Node JS, and Redux
- Streamlined development processes, resulting in faster iteration cycles and improved overall product quality
- Performed code reviews to ensure industry standards and cross-device compatibility
- Collaborated in daily meetings to align priorities and resolve project challenges

PROJECTS

- **[SanthiyaPothi.xyz](#)**: A cross-platform application (iOS, Android, Web) made using React and React Native, serving **1,000+ active users** to learn Santhiya, a traditional Sikh scripture study technique
- **[Keerat.xyz](#)**: An audio platform for Sikh-related content made with React (Next.js), serving over 1,000 active users, with **100+ daily users**. Managed full-stack development, leveraging Azure for audio file hosting and AWS EC2 for backend processing
- **[Akhar Jor](#)**: A Punjabi vocabulary game app, made from scratch using React Native during my Internship at Khalis Foundation. Took a lead role in development, with the app being launched one year after the internship
- **Sudoku**: Engineered a full-stack Sudoku game in PHP and MySQL and hosted on Heroku, featuring user management, competitive events, ranking systems, and immersive gameplay, offering a comprehensive user experience

LEADERSHIP & COMMUNITY INVOLVEMENT

Sikh Student Association, Newark, NJ

Sept 2023 - May 2024

President of the NJIT SSA

- led the organization by creating event schedules, making leadership decisions, gathering student feedback, and collaborating with SSAs from other schools to deliver engaging events tailored to student needs

SKILLS

Technical Skills: Python, C/C++, Java, Bash, Android Compose, HTML, CSS, Javascript, Node.js, React js, React Native, Flutter, Redux, Git, Vim, Mysql, Selenium, Azure, AWS, Docker, Podman, Ansible