

Skills

Languages: JavaScript, TypeScript, Python, C++, AutoLISP

Frameworks: React, Next.js, Node.js, JUCE, Discord.js

Databases: MongoDB, PostgreSQL, GraphQL

Tools: Git, Tailwind CSS, WordPress, Max/MSP, VST3

Cloud & DevOps: AWS, GCP, Docker, Kubernetes, CI/CD

Experience

Audio Plugin Developer, SocaLabs (Oct 2024 – Dec 2024)

- Developed a Stereo Processor plugin using C++, JUCE, and VST3 for professional music production.

Junior Engineer, Nucork (Aug 2024 – Oct 2024)

- Automated AutoCAD tasks with AutoLISP and Python, improving workflow efficiency.

Full Stack Web Developer, Ice-Blue Pulga (Mar 2024 – June 2024)

- Developed an SEO-optimized hotel website using React, GraphQL, boosting sales up to 70%.

Discord Bot Developer, Khief (May 2024 – July 2024)

- Created a Discord bot using Node.js, Discord.js, and MongoDB, enabling custom lobby commands.

Custom Audio Plugin Developer, Raga-Trance (June 2024 – June 2024)

- Created a custom audio processing plugin using Max/MSP, C++ and JUCE within a week.

Web Developer, Bosley (Oct 2023 – Dec 2023)

- Designed a wiki-style website for a programming language using Next.js and Markdown.
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Projects

- **WinUI Portfolio** – Personal project portfolio powered by WinUI3.
 - **Sound Synthesizer** – Custom software synthesizer with real-time sound shaping.
 - **Sorting Algorithm Visualizer** – Interactive tool for sorting algorithm demonstrations.
 - **Procedural Terrain Generator** – Unity project for terrain generation.
 - **B-Roll Image Generator** – JavaScript tool for automating B-roll image downloads.
 - **Clox** – Implementation of a dynamically typed language in C.
 - **Memeify** – Scheme Lisp script for automated meme creation in GIMP.
 - **Sudoku Solver** – JavaScript-based solver using pattern recognition techniques.
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Education

Rao Birender Singh State Institute – BSc in Computer Science & Technology, June 2024