Abhijeet Maharana

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SUMMARY

I am a full-stack engineer with 5 years of experience building production React and Node.js applications. I focus on end-to-end product development, which means I build everything from scalable backend APIs and database schemas to high-performance, accessibility-first user interfaces. My core stack includes React, TypeScript, Next.js, and Node.js with Express. For the backend, I am experienced with PostgreSQL and Prisma, and I rely on D3.js for data-heavy frontend interfaces. I also make sure our code is solid by writing comprehensive tests using Jest, Cypress, and React Testing Library.

TECHNICAL SKILLS

- **Frontend:** React.js, Next.js, TypeScript, D3.js, Tailwind CSS, Shadcn, Redux.js, Web Accessibility (WCAG/ARIA)
- **Backend:** Node.js, Express.js, REST APIs, WebSocket
- **Databases:** PostgreSQL, Prisma ORM, MongoDB
- **AI & Agents:** Claude Code (headless CLI), Model Context Protocol (MCP), human-in-the-loop agent workflows
- **Testing & DevOps:** Jest, Cypress, React Testing Library, Git, CI/CD pipelines, AWS

EXPERIENCE

Hewlett Packard Enterprise

Software Engineer Specialist | *Jan 2023 – Present*

- Designed and maintained reusable component libraries adopted across 5+ internal applications, standardizing design language and reducing frontend development time by 30%.
- Built CI/CD pipelines for automated testing, linting, and deployment, reducing manual QA overhead and cutting release cycle times by a third.
- Optimized frontend state management via lazy loading and code splitting, reducing core application load times by 40%.
- Ensured WCAG/ARIA-compliant accessibility across UI components, aligning with W3C standards.

Muvi.com

Software Engineer | *Jun 2021 – Dec 2022*

- Designed and developed core SaaS product features end-to-end, integrating third-party APIs to support 50,000+ monthly active users.
- Optimized application performance and user experience, reducing initial paint time for core pages by 25% and improving Lighthouse scores.
- Established code quality and review standards adopted by a team of 8+ engineers.
- Built foundational frontend features that were later extended into Muvi's core SaaS video platform product, driving a 20% increase in user engagement.

PROJECTS

tara-agent (open source, MIT) | github.com/abhijeet-maharana/tara-agent

- Built a self-hosted 24/7 AI agent in TypeScript and Node.js that drives Claude Code from Slack threads and cron jobs, with human approval cards, HMAC-sealed approvals and exactly-once job scheduling on SQLite.
- Hardened it to run as an unprivileged systemd user, with secrets kept out of the model's environment and root actions limited to an approved allowlist; covered by 400+ Vitest tests.

EDUCATION

Trident Academy of Technology (TAT), Bhubaneswar

B.Tech in Computer Science | *2018 – 2021*