

Amit Ranjan

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SKILLS

- **Languages:** TypeScript, HTML5, CSS, JavaScript
- **Frameworks & Libraries:** React.js, Tailwind, React + Hooks, Redux, SASS, MUI, Storybook, Vite, Node.js, Express.js
- **Tools:** Git, Webpack, Babel, Vite, Vitest, Jest, React Testing Library, Mocha, NX, Jenkins, NGINX
- **Databases:** MongoDB, SQL
- **Platforms:** Amazon Web Services (S3, EC2, Lambda, Bedrock, Amplify), Docker, Firebase

EXPERIENCE

- **Druva** Pune
Staff Software Engineer *April 2022 - Present*
 - Leading the creation of a DCP AI Summarization tool using AWS Bedrock Agents to dynamically analyze reports from OpenSearch, generate insights, and enable interactive follow-up.
 - Developing a "Safe Mode" feature enabling rapid, user-initiated or support-assisted containment of security incidents through immediate restriction of key operations (backup/restore, login/API access), reducing the current 12-48 hour response cycle.
 - Proactively resolved critical Upguard escalations by researching and implementing nonce/SHA strategies and addressing HSTS preload requirements, which involved identifying and initiating remediation for 489 subdomains across the organization running on port 80 (recognized with a spot award for this impactful contribution).
 - Developed Microsoft Dynamics 365 support, a high-priority feature personally committed by the CEO to a key customer, strategically positioning Druva to capitalize on the high-growth, \$5B Dynamics 365 market (with 43% of customers in the USA and a strong presence in mid-sized and large enterprises) by offering unified protection for Microsoft cloud workloads.
 - Architected a performant, iframe-based login application, empowering marketing to independently manage promotional content and enhance customer engagement.
 - Developed product-led growth experience, enabling customers to explore and try products independently, bypassing traditional sales channels which led to 500+ trials.
 - Developed and implemented foundational architectural improvements including unified common API services (streamlining maintenance and enabling rapid security updates), a complex state machine for seamless self-service delivery of security add-ons, URL-based restrictions via NGINX redirection, and an MFA mandate for Fedramp and FIPS compliance.
 - Developed a reusable number text component adopted across all product teams, enhancing the in-house design library, and led the Low-Level Design of dashboard charts using Amcharts for Enterprise workloads backup, resulting in improved data visualization for multiple customer types.
 - Revamped dashboard to TypeScript (50% load reduction, improved maintainability), developed MFA (Email, TOTP, SMS), utilized Webpack Module Federation for React microfrontend sidebar (75% faster delivery), implemented Jest/RTL unit tests (88% coverage), resolved 250+ critical bugs, and developed robust Xstate state management for application stability.
- **Infosys** Pune-Virtual
System Engineer *February 2020 - March 2022*
 - Developed a HIPAA-compliant healthcare website with a ReactJS frontend and a scalable Node.js/Express.js backend, which included a comprehensive business logic layer for patient data management, appointment scheduling, and secure communication, and integrated MongoDB and SQL databases with stringent security measures.

HONORS AND AWARDS

- Spot Award at Druva - Apr, 25
- Holopin badges at Hacktoberfest challenge (Open Source Development) - Oct, 24
- Insta Awards at Infosys - Jan, 22
- Insta Awards at Infosys - Oct, 21

EDUCATION

- **RCC Institute Of Information Technology** Kolkata, India
Bachelor of Technology - Information Technology; CGPA: 8.25 *2015 - 2019*

CERTIFICATIONS

- JavaScript: The Hard Parts
- Website Accessibility