

NISHANT MAURYA

Intermediate Software Engineer | Backend | Full-Stack Development

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📍 Edmonton, Alberta, Canada (Open to US Remote & TN Relocation)

SUMMARY

Software Engineer with 7+ years of experience designing, building, and scaling full-stack and backend systems for government and enterprise platforms. Strong background in Node.js, TypeScript, React, Angular, AWS, and distributed systems. AI-forward engineer who actively integrates LLMs (Claude, Cursor, GitHub Copilot) into daily development workflows, from feature planning and architecture to implementation, testing, documentation, and code reviews resulting in meaningfully faster delivery cycles. Proven technical contributor with ownership of large-scale platform migrations, distributed microservices, and production systems used by enterprise and government clients. Canadian citizen, TN-visa eligible, and open to US remote or relocation.

CORE SKILLS

Languages & Frameworks: TypeScript, JavaScript, Node.js, React, Angular, Vue.js, .NET, ASP.NET, HTML, CSS

Backend & Data: REST APIs, GraphQL, Prisma, Hasura, PostgreSQL, MySQL, MongoDB, SQL Server

Cloud & DevOps: AWS (Cognito, IAM, SDK v3), Docker, CI/CD, PM2

Architecture: Microservices, Strongly-Typed Systems, API Design, Data Migrations, System Design, Scalability & Reliability

Auth & Security: OAuth2, JWT, SSO, MFA (SMS & TOTP)

AI & Developer Tooling: Claude (Anthropic), Cursor IDE, GitHub Copilot; applied daily across feature planning, coding, debugging, unit testing, code reviews, documentation, and scoping

Certifications: AWS Certified Solutions Architect – Associate

Tools & Platforms: Git, GitHub, Jira, Postman, Docker, AWS CLI, Bitbucket, Confluence

EXPERIENCE

Software Engineer

Jambo

📅 July 2022 - Present 📍 Edmonton, Alberta, Canada

- AI-forward engineering: adopted Claude + Cursor as primary development tools. All features over the past several months planned, built, and shipped using AI across the full lifecycle including architecture, implementation, unit tests, debugging, code reviews, and documentation.
- Designed and developed configurable Custom Field Types (Number, Currency & Rich Text) using a shared database column, supporting precision configuration, mathematical operations, and rich text editing; led Quill → Tiptap WYSIWYG migration for the Rich Text type, adding native table and image support.
- Led a team of 3 to design and deliver a fully dynamic, user-preference-driven contact profile report, the first Vue template-based report at Jambo; owned requirements gathering, task delegation, and cross-developer coordination; currently driving migration of legacy reports to the new Vue template system.
- Improved production performance by implementing server-side pagination and bulk operations on the stakeholders grid, scoped, designed, and delivered with AI assistance.
- Led a company-wide Node.js platform upgrade across backend services and microservices, migrating from Node v18 to v22 and modernizing production systems.
- Migrated AWS SDK usage from v2 to v3, upgraded Prisma ORM, and refactored legacy tooling by replacing Gulp tasks with npm scripts for builds, schema updates, and automation.
- Sole technical owner of the Node upgrade initiative, ensuring production stability across all services while coordinating phased rollouts.
- Enforced strict TypeScript typing across all microservices, converting previously loosely-typed services into fully strongly-typed systems, significantly improving reliability and developer velocity.

- Designed and implemented auto-geocoding of addresses, enabling real-time geographic enrichment of application data.
- Led development of Lands Import feature (technical lead with 1 developer), allowing customers to import large datasets via Excel, reducing onboarding time for new enterprise clients.
- Designed and implemented External ID support, enabling seamless integration between Jambo and third-party systems through external identifiers used in APIs and workflows.
- Migrated legacy data access layers from Bookshelf → Hasura → Prisma, improving performance, maintainability, and type safety.
- Developed and expanded the Lands domain module, including advanced features such as merging two land entities while allowing users to selectively resolve conflicting data.
- Replaced legacy ESRI Leaflet maps with ArcGIS SDK for JavaScript, building reusable, state-driven map components.
- Implemented SMS & TOTP-based MFA using AWS Cognito, including database updates and Cognito user pool configuration.
- Mentored junior engineers, performed code reviews, and owned delivery of critical features end-to-end.

Systems Analyst/Senior Programmer Analyst

Alachua County Board of County Commissioners

 February 2018 - July 2022  Gainesville, Florida, USA

- Lead developer on a CARES Act relief application built with React, Node.js, and MySQL, enabling online submissions for individuals, businesses, and government organizations; supported distribution of ~\$46M in relief funds.
- Designed and developed full-stack web applications using React, Node.js, ASP.NET MVC, and SQL Server to support disaster response, emergency management, and public service initiatives.
- Built and maintained RESTful APIs and backend services in Node.js and .NET, enabling data integrations across multiple systems including Monday.com (GraphQL API) and Juvare WebEOC (REST API).
- Developed automation scripts and data workflows in Node.js to synchronize data between applications and SQL databases using webhooks and scheduled jobs.
- Designed and implemented authentication solutions including SSO (Google, Facebook, ADFS via SAML) and Active Directory integration.
- Built real-time features using SignalR and .NET, including chat systems and live dashboards for emergency response coordination.
- Developed Progressive Web Applications (PWA) and admin platforms for Emergency Operations Center (EOC) to manage shelter operations, population tracking, notifications, and communication with field teams.
- Designed and developed dashboards using Chart.js to visualize real-time data for COVID-19 tracking and emergency response systems.
- Developed enterprise applications using ASP.NET MVC, C#, SQL Server, and SSRS, including an invoicing system for Public Works that automated invoice generation and improved operational efficiency.
- Built backend services and integrations to synchronize shelter and operational data between external APIs and on-premise SQL Server systems.
- Integrated third-party services including Google Maps API, YouTube API, and Granicus SDK to enhance application functionality and user experience.
- Developed internal tools such as a timesheet management system for Fire Rescue using React, Node.js, and SQL.
- Reverse engineered legacy applications and modernized them to current standards..
- Managed application deployment and hosting using PM2, including monitoring, maintenance, and performance optimization of Node.js services.
- Collaborated with cross-functional stakeholders to gather requirements, conduct technical discussions, deliver demos, and provide post-deployment support.
- Authored technical documentation including Software Requirement Specifications (SRS), system designs, and operational guides.

EDUCATION

Master of Science in Computer Science

Florida International University

 August 2016 - December 2017  Miami, Florida, USA

Bachelor of Engineering in Information Technology

University of Mumbai

 August 2012 - May 2015  Mumbai, Maharashtra, India

WORK AUTHORIZATION

Canadian Citizen | TN Visa Eligible | Open to US Remote (Contract) or Relocation