

Akash James

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Professional Summary

Software Developer with 4+ years of hands-on experience in building scalable web applications, tools and modernizing legacy systems. Specialized in low-code/no-code platforms, dynamic reporting systems, and user-centric seamless interfaces for government and enterprise domains. Proven ability to lead front-end architecture design, optimize performance, and deliver impactful digital solutions. Passionate about intuitive UX, rapid iteration, and cross-functional collaboration.

Work Experience

Software Developer

National Informatics Centre (NIC) – (via Velocis/Akal Information Systems) **May 2024 – Present**

- Led the modernization of **ServicePlus**, a flagship low-code/no-code platform, transitioning from Java JSP to React.js with microservices, reducing technical debt and boosting maintainability.
- Designed and implemented the complete frontend architecture from scratch, aligning with scalability and modularity principles.
- Engineered a comprehensive **Custom Reporting Tool** supporting dynamic filters, grouping, aggregation, access control, and personalized styling, significantly streamlining user reporting workflows.
- Developed a highly interactive **Drag-and-Drop Form Builder** with advanced validations, API integration, event chaining, and embedded JavaScript, enhancing platform flexibility.
- Built a visual Node-based UI for defining complex **Process Workflows**.
- Integrated **TailwindCSS** and **Styled Components** to enforce consistent design language and developer velocity.
- Conducted code reviews, established frontend best practices.
- Partnered with backend teams to establish API contracts and real-time integration strategies.

Project Engineer

National Informatics Centre (NIC) – Velocis

March 2024 – May 2024

- Executed rapid state-specific deployment and technical issue resolution for **eOffice**, ensuring timely delivery within high-pressure timelines.

Software Developer

National Informatics Centre (NIC) – Akal Information Systems

September 2020 – March 2023

- Customized and deployed government-facing applications using **ServicePlus**, leveraging JavaScript, HTML, CSS, and MVEL for tailored enhancements.
- Delivered citizen-centric services such as **Labor Registration Systems** and **Tourist Permit Portals**, drastically reducing manual processing time.
- Oversaw end-to-end administration of the **Online Building Permission System**, ensuring robust operations and high user adoption.
- Transitioned manual workflows to digital systems, conducting comprehensive user training and change management.

- Implemented localized features and compliance-driven enhancements for multiple state government departments.
- Bridged communication between stakeholders, gathering functional requirements and transforming them into effective digital solutions.
- Actively monitored system KPIs and provided ongoing support and bug fixes.

Skills

Languages: JavaScript, TypeScript, HTML5, CSS3

Frontend: React.js, Next.js, Redux, TailwindCSS, Styled Components, Tanstack Query, Hook Form

Backend/Tools: Node.js, Git, GitLab, Postman, Vite, Webpack

Architecture: Monorepo, API-First Design

Core Strengths: Scalable UI Development, Custom Form Builders, Performance Optimization, Responsive Design, Dynamic Reporting Systems

Education

Embedded Systems Program

Emertxe Information Technologies, Bangalore

June 2019 – July 2020

B.Tech in Electronics and Communication

SRM Institute of Science and Technology, NCR

August 2015 – April 2019

ISC (Class 12)

St. Xavier's School, Pakyong

July 2013 – March 2015