

AKASH NAIR

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Full-Stack | Next.js | TypeScript | Python | C# | RESTful APIs

TECHNICAL SKILLS

Front-End Frameworks: Next, React.js, TypeScript, Material-UI, JavaScript

Back-End Technologies: Python, FastAPI, ASP.NET Core, C#

Database Management: MongoDB, SQL Server, PostgreSQL

Agile Methodologies: Scrum, Kanban

APIs: REST, JSON

Version Control & Collaboration: Git, GitHub, Bitbucket, Jira, Confluence, ClickUp

Cloud Technologies: AWS

Build Tools: Webpack, npm, Yarn

Code Quality: Jest, PyTest, ESLint, Prettier, SonarCloud, SonarQube

UI/UX Tools: Figma, Adobe XD

Performance Optimization: Lazy Loading, Code Splitting, Performance Monitoring (Lighthouse)

WORK EXPERIENCE

CertHub GmbH

Remote

Freelance Fullstack Developer

Feb 2024 – Now

- Developed and integrated the Submission analytics dashboard with a proper completeness check, providing users with clear insights into progress and readiness of their Submissions.
- Improved the existing Submission platform by implementing one-click TechDoc generation and introducing quality-of-life improvements, including drag-and-drop functionality, and export options to ZIP or PDF formats and adding support for user uploaded files.
- Implemented the display of documents in a nested file-folder structure using MongoDB, Zustand, and MUI Tree View Component; created a new collection for folders, linked documents, enabled infinite nesting, and used aggregation queries to return hierarchical data while maintaining efficient state management and UI performance
- Developed the entire backend and frontend for a new feature called Global Elements, a centralized, searchable, and editable repository for global platform data; implemented database models, API endpoints, and integrated the feature into the frontend module
- Resolved issues with the PDF renderer for documents and submissions using Jinja2 and WeasyPrint, allowing customizable and well-formatted PDF generation for document collections in CertHub

Ingram Micro SSC India Pvt Ltd

Mumbai, Maharashtra

Software Engineer

Mar 2024 – Aug 2024

- Designed and implemented scalable full-stack solutions using React.js, TypeScript, and ASP.NET Core, improving system efficiency and maintainability.
- Increased Sales Potential by 25% for Ingram Micro's Sales Associates by developing the Quote Enhancer tool for the Xvantage for Associates platform, streamlining quote management and improving sales efficiency.
- Led the redesign of the Product Details Page for Ingram Micro's Xvantage for Customers platform, enhancing page aesthetics and navigation, while optimized performance metrics like Largest Contentful Paint (LCP) by 2.3s and Time to Load (TTL) by 2.8s through efficient code optimization, debugging, and lazy loading.
- Utilized Context API to cache frequently called API requests, reducing load times and improving navigation, ensuring a seamless and efficient user experience.

Software Developer

Nov 2021 – Feb 2024

Trainee Software Developer

Oct 2020 – Oct 2021

EDUCATION

SIES Graduate School of Technology

Bachelor of Engineering in Computer Engineering – 7.10 CGPA

Nerul, Maharashtra

Aug 2016 - Oct 2020

Smt. Chandibai Himathmal Mansukhani College

HSC

Ulhasnagar, Maharashtra

July 2014 - Mar 2016

St. Jude's High School

SSC

Kalyan, Maharashtra

Jun 2002 - Mar 20

ACHIEVEMENTS

- Co-written and published the study "Predicting Employee Attrition Along with Identifying High-Risk Employees using Big Data and Machine Learning," presented at the 2020 2nd ICACCCN. The research explores supervised learning algorithms to predict attrition, helping businesses mitigate risks and improve retention strategies.
- The study, "Real-Time Video Surveillance System for Detecting Malicious Actions and Weapons in Public Spaces" was co-written and published. The research proposed an automated system using pose detection and deep learning to enhance real-time surveillance and reduce reliance on human monitoring and was showcased at the ICCNCT - 2020.
- Won the "Smart India Hackathon 2019", one of India's largest innovation competitions, involving thousands of students from across the country where they tackle real-world problems provided by government and industry, developing tech-driven solutions on a national scale.
- Part of the Media Team of SIES Graduate School of Technology from 2017 to 2020, leading the same in the academic year 2019-2020.