

AKHIL PREET SINGH

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SUMMARY

Full-stack developer with 6+ years of expertise in JavaScript Frameworks. Proficient in NextJS, React, Angular, Strapi, and NodeJS. Skilled in developing custom web applications across diverse industries. Known for delivering high-quality solutions and collaborating effectively in cross-functional teams.

TECHNICAL SKILLS

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|----------------------|--------------|---------------------|-----------|
| • Next JS / React JS | • TypeScript | • Redux / RTK Query | • Angular |
| • Node JS | • MongoDB | • Azure | • Jest |
| • AWS | • Strapi | • React Native | |
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EXPERIENCE

4mation Technologies, NSW, Australia

March 2021 – Current

JavaScript Developer

FENNER

- Developed a conveyor belt management portal as a full-stack engineer using Angular, NodeJS, and Azure. Implemented a dashboard to manage insights, perform complex computations, and visualise high volumes of data.
Tech Stack: Angular, Plotly, Azure serverless, NodeJS, Express.js, Mongoose, Jest and CosmosDB.

IPSI

- Designed and implemented a dynamic iframe engine using NextJS. Developed an application that consumes JSON data to generate secure payment forms, validating inputs and managing client information for payment transactions.
Tech Stack: NextJS, TypeScript, Redux, Jest and Storybook.
- Integrated Mastercard's Click to Pay service into the iframe engine and controlled the flow using JSON data.
Tech Used: Mastercard Click to Pay Service

Divorce justice

- Built a mobile-first web app using Bubble. The app features questionnaires for evaluating mental health, a search function for accessing legal services, and appointment scheduling with lawyers, along with a collection of general wellbeing blogs.
Tech Stack: Bubble.io

Heavy Metal

- As a full-stack developer, built an NFT marketplace using GatsbyJS and Strapi. The platform enables users to buy, share, and read purchased comic books online. Admin features include managing NFTs and a WYSIWYG editor for writing blogs.
Tech Stack: GatsbyJS, TypeScript, Redux, RTK Query, Strapi, Ckeditor and Metamask.

Jayride

- Integrated Google Analytics GA4 into an Angular web application for data collection and insights.
Tech Used: GA4

Rollareel

- Enhanced an Angular web application by implementing subscription validation, photograph uploads, image sharing, and gallery views.
Tech Stack: Angular

CRUZ

- As a full-stack developer, built an application to streamline jackpot winner data collection using NextJS and Strapi. The dashboard collects and validates user data, providing Role-based Access Control for transaction approvals.
Tech Stack: NextJS, TypeScript, Redux, RTK Query and Strapi.

PSS

- Rebuilt a job tracking and management system as a full stack developer. The system includes features for job and invoice management and a job scheduling, and tracking system.
Tech Stack: NextJS, TypeScript, Redux, RTK Query and Strapi.

Nata

- Engineered a chatbot using OpenAI Chat APIs to understand incoming user queries and provide users with relevant department information and contact details.

Tech Stack: NextJS, TypeScript, OpenAI, Vercel and PineconeDB.

Yintro

- Developed features for react native mobile applications. Implemented favourite and sharing features.

Tech Stack: React Native, Redux, RTK Query, Strapi and Firebase.

My Guest List, Melbourne, Australia

Sept 2020 – March 2021

JavaScript Developer

- As a MEAN stack developer, developed new features for the Sprout Send platform. Created modular UI components and services using Angular.
- Updated API dependencies to improve performance and implemented passport middleware authentication in the backend services.
- Created token generation to facilitate third-party application integrations.

Tech Stack: Angular, NodeJS, Mongoose, AWS.

Ford Motor, Melbourne, Australia

April 2020 – Jun 2020

Machine Learning Engineer Intern

- Built a smart hiring solution using BERT natural language processing models to automate the hiring process and eliminate subconscious human biases. Designed the UI/UX for the application.

Tech Stack: Python, TensorFlow, Spacy, NLTK, Universal Sentence Encoder, StanfordNLP, ReactJS, NumPy and Pandas.

Isgood.ai, Melbourne, Australia

October 2019 - June 2020

Developer Volunteer

- As a frontend developer, I built a dashboard for client management and data visualisations. Handled API requests and data fetching using web-workers. Developed the backend using Python to manage database connections and integrate with the Machine Learning API.

Tech Stack: ReactJS, Pug, SCSS, ChartJS, Python and Flask.

Infosys, Hyderabad, India

October 2015 - February 2018

System Engineer

- As a full-stack developer, I built a project onboarding management portal. The application includes role-based access, document uploading, viewing, and approval forms. The application improved onboarding efficiency by 50%.

Tech Stack: ReactJS, Redux, NodeJS, ExpressJS and MongoDB.

- Developed a web application for monitoring solar power plant data. Integrated a KNN machine learning model to predict health levels and possible errors. The final product eliminated the need for third-party data monitoring and reduced company costs by 80%.

Tech Stack: ReactJS, D3.js, Python, Scikit-Learn and Flask.

- As a front-end developer, I created a loan disbursement application. I developed dynamic forms with custom validations and populated forms based on different scenarios.

Tech Stack: AngularJS, Karma and JavaScript.

EDUCATION

- **Master of Data Analytics**

Deakin University, Melbourne, Australia

- **Bachelor of Technology**

Punjabi University, Punjab, India
