Siddharth Kundu

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Summary

Software Engineer with over 5 years of experience in full-stack development, specializing in JavaScript, TypeScript, ReactJS, React Native, and Go. Proven track record in leading teams to deliver high-quality software solutions, enhancing user experience and system performance. Experienced in Machine Learning and Deep Learning, applying these techniques to solve complex problems. Currently pursuing a Master of Science in Computer Science at New Jersey Institute of Technology.

Work Experience

Dotpe   March 2021 - February 2023, India

Senior Software Engineer

- Tech Stack: Javascript, Typescript, ReactJS, NextJS, React Native, Go, Postgresql, MaterialUI, ChakraUI, React Query, Redux, Storybook, Jira.
- Founding Engineer of Digital Showroom team.
- Led a team to create an ecosystem of mobile and web apps for domain creation, marketing, ecommerce, and website personalization using ReactJS, NextJS, and Go, enhancing customer presence in the ecommerce market.
- Developed an internal design system DotDesign to improve UX quality, consistency, project scalability and reduce technical debt.
- Developed 20 dynamic and reusable widgets using Storybook and ChakraUI, resulting in a 40% increase in pro-tier client satisfaction through personalized website creation options.
- Orchestrated sprint planning and execution, resulting in 95% successful delivery of features and timely resolution of 95% software issues, boosting development efficiency by 30% through agile methodologies.

Acko   August 2020 - February 2021, India

Software Engineer

- Tech Stack: Javascript, Typescript, ReactJS, NextJS, React Native, React Router, Redux, Storybook.
- Played a key role in developing a high-performance NextJS web application used by 1 million monthly active users, contributing to a 40% increase in user satisfaction through improved UI/UX design and performance optimizations.
- Reduced integration-related defects by 40% through proactive communication and knowledge sharing.
- Collaborated with backend engineers to achieve a 30% reduction in API response times, leading to an 80% improvement in overall application performance.

Honeybridge   February 2020 - July 2020, India

Software Engineer.

- Tech stack: Javascript, ReactJS, GatsbyJS, Bootstrap, Redux, SCSS, Tailwind.
- Orchestrated the end-to-end development of a robust frontend application, using Redux and SCSS to create a responsive and feature-rich user interface.
- Delivered 90% of planned features and resolved 95% of bug fixes within sprint cycles, exceeding project deadlines by 20% and maintaining a 90% code quality metric.

Vinculum Solutions   January 2018 - February 2020, India

Software Engineer

- Tech Stack: HTML, CSS, Javascript, Bootstrap, jQuery.
- Elevated software performance by adjusting parameters and integrating new features, resulting in a 20% increase in system capabilities.
- Designed and deployed a high-conversion web application, resulting in a 70% increase in customer conversion rates within 2 months.

Key Skills

- **Frontend:** Javascript, Typescript, SCSS, ReactJS, NextJS, GatsbyJS, MaterialUI, TailwindCSS, ChakraUI, React Query, Redux
- **Backend:** NodeJS, Express, NestJS, Python, Django, Go, Gin
- **Tools:** Storybook, Webpack, Docker, AWS S3, DrizzleORM
- **Databases:** MongoDB, Postgresql, Firebase, NeonDB, PineconeDB
- **Data Manipulation Tools:** Pandas, NumPy
- **Data Visualization:** Matplotlib, Seaborn
- **Version Control:** Git, Yarn
- **CI/CD:** Github Actions

Education

Master of Science in Computer Science

New Jersey Institute of Technology, Newark, New Jersey (2023-2025)

Bachelor of Technology in Computer Science and Engineering

PDM College of Engineering, India (2013-2017)

Projects

PDFReader | *NextJS, Tailwind, Shadcn/ui, Aws S3, OpenAI, PineconeDB, Clerk Auth, NeonDB, DrizzleORM*
https://pdfreader-snowy.vercel.app/

- Engineered a dynamic web application utilizing NextJS, TailwindCSS, and shadcn/ui for a seamless user interface, enabling users to upload PDFs.
- Integrated AWS S3 for robust and scalable storage solutions, ensuring efficient management and retrieval of user-uploaded documents.
- Implemented an innovative chat feature using Langchain and OpenAI, allowing users to engage in interactive discussions about the contents of their uploaded PDFs.
- Leveraged PineconeDB for efficient chat persistence and NeonDB for user session management, ensuring a responsive and intuitive user experience.

Cosmic Classifier: Differentiating Galaxies, Quasars, and Stars | *Python, Scikit-learn, Pandas, NumPy, Astropy, Seaborn*

- Developed a machine learning model to accurately classify galaxies, quasars, and stars using spectral data, color indices, and morphological features.
- Enhanced classification accuracy through meticulous training, validation, and optimization on astronomical datasets.
- Implemented sophisticated feature engineering and dimensionality reduction techniques, such as PCA, to distill critical information from astronomical data, enabling efficient and effective differentiation between various celestial objects in large datasets.