

Kapil Shyam Pawar

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EDUCATION

University of Texas at Arlington, College of Engineering

Master of Science (MS) in Computer Science (CS) / GPA: 3.7

Arlington, Texas

Fall 2023-Current

Vivekanand Education Society's Institute of Technology

Bachelor of Engineering (BE) in Electronics & Telecommunication

Mumbai, India

June 2018

SKILLS AND EXPERTISE

Databases: Oracle, MySQL, MongoDB, Firebase, SAP, PostgreSQL, Relational Databases

Programming Languages: JavaScript, TypeScript, HTML5, CSS, Python, JAVA, Kotlin, C, C++, C#, SQL

Technologies: Next.js, React.js, Node.js, Material UI, Tailwind CSS, Bootstrap, Azure DevOps, Git, Google Cloud Platform, REST API, SOAP API, Linux/Unix, CI/CD, Power BI, Android SDK, Android Studio, GraphQL

EXPERIENCE

Accenture

Munich, Germany

Senior Software Engineer

February 2022 – July 2023

- Led the design and development of a high-performance Client's E-Commerce using Next.js, **reducing page load times by 25%**, and increasing customer engagement by 35%, generating a revenue of **€60 Million** per year.
- Collaborated closely with the Process Director to develop and implement a comprehensive project budget tracking dashboard using **React.js, Redux, and Rest APIs**, fostering transparency, and enabling streamlined oversight of ongoing enhancements and projects across EMEA. Enhanced communication channels between project managers and development teams, optimizing project coordination and outcomes.
- Worked with cross-functional business teams spanning Europe and Asia to meticulously analyze, define, and successfully implement innovative features. This resulted in a **55% surge** in user satisfaction, reflecting the direct impact of our joint efforts on enhancing product functionality and user experience.
- Led end-to-end management of the **Software Development Life Cycle (SDLC)**, overseeing the comprehensive process from conceptualization and design through to analysis, development, rigorous testing, seamless implementation, and support for multiple ongoing projects. This encompassing responsibility ensured the smooth and efficient execution of projects while maintaining a high standard of quality throughout each phase of development.
- Implemented Azure DevOps deployment pipelines across 5 enterprise applications, increasing release frequency by 30%. Enabled faster delivery through automation and continuous integration.
- Developed CRUD APIs using **Next.js API Routes** and **Mongoose** to retrieve and store data from MongoDB collections and implemented caching which **enhanced performance by 40%**.
- Utilized **Tailwind CSS** to rapidly build and style user interfaces in Next.js and React.js applications, **reducing development time by 40%** and ensuring consistent, responsive designs across multiple devices.

Accenture

Mumbai, India

Software Engineer

October 2018 – February 2022

- Implemented new features and enhancements for the existing client applications using **React** and **TypeScript**.
- Designed REST API endpoints to handle requests efficiently, improving server response time by 70% from **10ms to 3ms**.
- Improved UI performance by 45%** by identifying bottlenecks, leveraging technologies like **Context API** and **React Hooks**.
- Well-versed in building reusable UI components with React, styled components, ensuring code maintainability and consistency.
- Good understanding of using git for version control and source code management.

COURSE PROJECTS

Runtime Analysis for Sorting Algorithms

- Python-based Graphical User Interface (GUI) for sorting algorithms comparison.
- Features Bubble Sort, Merge Sort, Quick Sort, Insertion Sort, Heap Sort, and Selection Sort.
- Allows user input or random integer list generation (up to 20,000 elements).
- Real-time performance analysis through Matplotlib for visualizing algorithm efficiency.