Abhishek Mishra
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Software engineer with 5+ years of experience leading software teams

SUMMARY

I have 5+ years of experience in software development, demonstrating strong proficiency in broad spectrum of technologies, including React.js, Typescript, and the MERN stack. My career highlights encompass roles that have honed my skills in web programming, cloud computing, and distributed systems, further enriched by an advanced degree in Computer Science. I have expertise in developing and maintaining highly secure and scalable applications using agile methodologies and cutting-edge technology and ensure high performance and accessibility.

SKILLS

Programming Languages: JavaScript, C++, Java, Typescript, Python, PHP
Databases: MySQL, MongoDB, SQL, PostgreSQL, Cassandra, DynamoDB, Redis
Web Technologies: Node.js, React.js, React Router, Redux, Socket.io, GraphQL, HTML5, CSS, Ajax, Gulp.js, React Query, Firebase, Tailwind CSS, Vue.js, SASS, JSON, Bootstrap, Restful API, Axios, React Query, Webpack, NPM, Jest, React Native, Material UI
Frameworks and Tools: Express.js, Next.js, Vite.js, Expo, Docker, Django, Git, GitHub, Bitbucket, Jira, Amazon EC2, Amazon SES, AWS lambda, Jenkins, AWS CodePipeline, Jenkins, Prisma, Jules, GitHub Actions, MSW, Split.io

EXPERIENCE

Senior Consultant | JPMorgan Chase – Columbus, Ohio   **Jul 2023 – Present**
- Designed and developed micro-frontend applications to enhance online investing experience of customers using **HTML, CSS** and **React**
- Implemented routing using **React Router** to navigate the application
- Used **TypeScript** to ensure type-safety with fewer bugs, better maintainability, and reusability
- Developed responsive components using **SASS** and **UI/UX Components**
- Ensured maximum accessibility and maintainability by implementing component **ADA** and **Analytics.**
- Utilized **REST APIs** and fetch data using **GraphQL** and **React Query**
- Utilizing **Jules** for **CI/CD** pipeline to deploy the application packages as a **Docker** image
- Made sure to always be updated with the latest web trend and best practices and utilized them in the development process
- Using **Context API** to manage state
- Mocked and tested client focused API responses for faster development process using **Mock Service Worker (MSW)** without calling the API
- Utilized **Split.io** to efficiently manage and deploy software features and ensure controlled release cycles
- Implemented testing and debugging web applications using **Jest** to ensure that they are error-free and functioning as intended with more than 80% coverage
- Worked on **Bitbucket** and **Jira** for collaboration and managing web pages following **Agile** methodology

React Developer | Pro-Tek Consulting – Jersey City, New Jersey   **Feb 2023 – July 2023**
- Developed Human Resource Management System used to automate the HR process such as hiring, onboarding, performance management, and payroll by creating responsive and reusable components in **React** and **Typescript** and increased HR process efficiency by 50%
- Employed **Redux** to manage state and **Redux-thunk** as middleware to handle asynchronous applications
- Used **AWS** serverless architecture to build and deploy serverless applications using **Lambda** and **API Gateway**
- Implemented responsive design using **SASS** to ensure that web applications are optimized for all screen sizes and devices and involved in **Test Driven Development**
- Utilized **Jest** and **RTL** for testing and debugging the application and ensured the application is bug free and working as intended
- Used **GitHub** and **Git** to host and manage the source control and **Jira** to collaborate
- Implemented **Firebase Auth** for authentication and authorization
- Implemented **AWS CodePipeline** to establish continuous integration and delivery **(CI/CD)** and worked on various **AWS** services such as **EC2, S3**
- Increased performance of application by 70% by reducing number of API calls using memoization
- Engaged in **Agile** based development

Software Developer | Compitek IT Service – Delhi, India   **Oct 2017 – Aug 2021**
- Collaborated in developing various applications like admin panel for content, user, and client management using the **MERN** stack as a primary technology
- Translated designs and wireframes into high-quality web pages and ensured that they are cross-browser compatible and responsive
- Built backend in **Node.js** and developed APIs using **Express.js**
- Developed single-page applications by employing **React**, React Lifecycle methods, and React hooks
- Improved the response time of **APIs** by 100% by implementing in-memory cache using **Redis**, useMemo, and useCallback
- Used **Axios** to fetch the APIs and communicate with the server
- Performed Authentication and Authorization by using express session for **Node.js** applications
- Worked on both **SQL** and **NoSQL** databases
- Collaborated with the testing team to conduct comprehensive testing of backend APIs and worked closely with the frontend team to ensure the seamless integration of backend APIs into the application
- Employed **Jest** for writing unit tests and **Postman** for testing Restful APIs endpoints
- Utilized **Bootstrap** and **MUI** for styling the application
- Used **GitHub** and **Jira** for code management and collaborating with the team
- Utilized **AWS EC2** instances for hosting the applications

PROJECTS

Safe House | Next.js, MongoDB, Tailwind CSS, Firebase, Prisma, Typescript   **Sep 2022 – Dec 2022**
- Lead a team of 4 to design and develop a full stack vault application using **Next.js** with **Typescript** to save notes, passwords, docs, and events
- Created database using **MongoDB** and used **Prisma** to interact with the database and ensuring its better performance and efficiency
- Leverage **Firebase Auth** for authentication and **Firebase Storage** for storing documents
- Used Tailwind CSS for styling

Asian Mart | MongoDB, Express.js, React.js, Redux, Node.js, GraphQL, Firebase, Stripe.js   **Jan 2022 – May 2022**
- Designed an e-commerce platform as a team leader to shop for groceries
- Built Back end with **GraphQL** and database using **MongoDB** and Front end deploying **React.js**, **Redux**
- Implemented user authentication and authorization utilizing **Firebase Authentication**
- Operated **memo** and **callback** to reduce re-rendering and managed **Event Propagation** to improve performance
- Integrated **Stripe.js** for payments and hosted APIs on **Node.js** server

EDUCATION

Stevens Institute of Technology, Hoboken, New Jersey   **Sep 2021 – Dec 2022**
Master of Science (MS) in Computer Science

Dr. A.P.J. Abdul Kalam Technical University, Uttar Pradesh, India   **Sep 2013 – Aug 2017**
Bachelor of Technology (B. Tech) in Computer Science