SHASHWAT PATHAK

LinkedIn · Portfolio · GitHub

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Software Engineer with 3+ years of experience in full-stack development, specializing in Java, ReactJS, Node.js, Express.js , Spring Boot, Kafka, and Docker. Skilled in building scalable web applications, microservices, and real-time applications.

Education & Certification

B. Tech, Information Technology, Amity School of Engineering and Technology, Noida, UP, July 2016 – May 2020

Core Competencies

Scalable Web Applications	Real-Time Data Processing
Cloud Deployment Strategies	API Design and Integration
User Experience Design	Cross-Platform Development
Component-Driven Development	Performance Optimization

Technical Skills

Backend Development: Node.js, Express.js, Spring Boot, Java, Python, C, C++, Django, Docker

Frontend Development: React.js, Tailwind CSS, HTML5, CSS3, JavaScript, TypeScript, AngularJS, MUI

Others: RESTful APIs, Agile Methodologies, Component-Driven Development, Performance Optimization, FastAPI, PyTorch, Scikit-Learn, Flutter, Swift, Kafka, CI/CD

Cloud Platforms: AWS, Heroku, Vercel

Databases: MongoDB, MySQL, SQL Server, Firebase, SQLite, PostgreSQL

Internship

ITI Limited, Mankapur, UP | Software Engineer Intern **|** June 2019 – July 2019

Research & Publication

- IoT in healthcare
- Fog Data Analytics and Healthcare 4.0
- Data Visualization Techniques, Model and Taxonomy

Profile Summary

- Over **3 years of experience** in **full-stack development**, delivering robust software solutions and collaborating effectively in team environments.
- Contributed to open source projects related to Google Blockly, Google Flutter, and GitHub Docs Actively involved in enhancing features and resolving issues across these platforms.
- Previously employed at **LTI Mindtree Limited**, focusing on **developing scalable web applications** and maintaining **high-performance backend services**.
- Proficient in technologies like **React.js, Node.js, Spring Boot, MongoDB,** and **AWS**, with hands-on expertise in **API design, cloud deployments, and performance optimization**.
- Achieved a **20% improvement in application performance** through **state management** and **rendering optimizations** in complex React applications.
- Designed and deployed a **real-time collaborative code editor**, leveraging **Socket.IO** and **Hono backend**, improving user engagement significantly.
- Skilled in **mentoring team members**, streamlining workflows, and integrating **modern tools** like Storybook for better component-driven development.
- Committed to continuous learning, staying updated with emerging technologies to ensure the delivery of cutting-edge software solutions.

Work Experience

LTI Mindtree Limited, Bangalore, KA | Software Engineer | June 2022 – Dec 2023

Responsibilities:
- **Designed and implemented** RESTful APIs using **Node.js** and **Express.js**, ensuring efficient data handling and seamless real-time updates.
- **Developed and maintained** complex React applications with enhanced performance through **state management** and rendering optimizations.
- Translated **Figma designs** into reusable React components and employing **custom hooks** to reduce redundancy.
- Integrated tools like **Storybook** and **Vitest**, enabled rigorous testing and a component-driven development approach.
- Leveraged **React Context API** for organized and scalable state management.
- Collaborated with cross-functional teams to align technical implementations with **business objectives**.
- Conducted **code reviews** and fostered a collaborative team environment for continuous improvement.
- Developed comprehensive API documentation to enhance team onboarding.

Achievements:
- **Optimized application performance** by 20%, enhancing user experience.
- Reduced **code duplication** by 40% through reusable components and optimized hooks.
- Played a pivotal role in deploying applications on **cloud platforms**, ensuring high availability and scalability.
- Contributed to the development of a **real-time collaborative code editor**, boosting user engagement.

Birlasoft Limited, Noida, UP | Trainee Software Engineer | Feb 2021 – May 2022

Responsibilities:
- Developed user-centric features using **TypeScript, React.js**, and **Material-UI**, improving user experience.
- Designed and executed efficient **backend APIs** with **Node.js**, optimizing data fetching with **React Query**.
- Participated in **peer code reviews** and system design discussions to improve software quality.
- Migrated legacy systems to modern frameworks, enhancing system performance.

Achievements:
- Reduced **data over-fetching** by 25% through optimized backend calls.
- Recognized for exceptional contributions during training, leading to a full-time role.

Projects

- SyncScribble : Built a **real-time collaborative code editor** with **React, Socket.IO**, and **Hono backend**, deployed on **Heroku** and **Vercel** to enable synchronized editing for multiple users.
- Snake Game : Created a **feature-rich snake game** using **HTML5, CSS3,** and **JavaScript**, including movement mechanics, scoring, and collision detection.
- Student Management App: **Student Management App** using **Angular** and **Spring Boot.**
- Shopping Website : **Fully Responsive Shopping Site** with **HTML, CSS**, and **JavaScript.**