

Pawan Dwivedi

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Summary — **Software Developer Engineer I** with more than two years of experience designing and implementing high-performance web applications and APIs. Proficient in JavaScript, TypeScript, Node.js, Nest.js, react.js, PostgreSQL and MongoDB. Skilled in building scalable and resilient systems, optimizing cloud deployments, and integrating innovative solutions to meet business objectives. A strong advocate for Agile practices, team collaboration, and continuous improvement to deliver exceptional value in fast-paced environments.

Skills

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|-------------------|---|--------------------|---|
| Languages | Java, TypeScript, JavaScript, Python, SQL, Bash | Postman | |
| Frameworks | Nest.js, Express.js, Node.js, FastAPI | Others | Authentication (OAuth, JWT), Microservices Architecture, Caching Strategies, Logging and Monitoring (ELK, Prometheus), Git/GitHub, JIRA |
| Libraries | Sequelize, TypeORM, Mongoose, Webpack, Lodash | Soft Skills | Communication and team collaboration, Problem-solving, Critical thinking, Adaptability |
| Databases | PostgreSQL, MongoDB, MySQL, Redis | | |
| DevOps | AWS (EC2, S3, Lambda), Docker, Kubernetes, Azure, CI/CD Pipelines | | |
| APIs | RESTful APIs, GraphQL, OpenAPI/Swagger, | | |

Experience

Red Baton - A Global Design and Human Experience Company, Bangalore **Jun 2022 – Present**
Software Developer Engineer I *Developing web applications and working on both front-end and back-end.*

Capillary Technology

- Developed backend systems for loyalty programs using Capillary's internal Neo dashboard.
- Contributed to backend solutions for clients such as Linen Club and Valiram, delivering tailored solutions that meet business requirements.
- Collaborated with cross-functional teams to design and implement robust and scalable backend architectures.
- Optimized database interactions and performance to ensure seamless data processing for large-scale loyalty programs.
- Enhanced user experience by integrating backend systems with frontend services, ensuring smooth and efficient client operations.
- Improved system reliability and scalability, enabling better support for growing business needs.

Uxmagic.ai

- Developed backend APIs and integrated generative AI to dynamically create sitemaps based on user prompts.
- Implemented initial WebSocket setup for duplex communication between wireframe and sitemap components.
- Designed and built scalable backend architectures to support real-time wireframe and sitemap generation.
- Ensured smooth communication between frontend and backend services, providing efficient and responsive interactions.

RideSense.ai

- Led backend and server-side development for a bike-rider-focused mobile app, leveraging Nest.js for dynamic feature delivery.
- Created a custom routing engine using OpenStreetMap, improving user experience by 25%.
- Set up the entire server-side architecture and deployment using AWS Load Balancer (ALB), ensuring smooth, scalable deployments.
- Managed server deployment and CI/CD pipeline, enabling continuous integration and delivery for seamless feature updates.
- Worked closely with the team to ensure infrastructure scalability and system stability, supporting high availability and load balancing.
- Implemented performance optimizations to improve backend processes, ensuring faster route calculations and better user engagement.

Hoonr.ai

- Led backend development of a job board application, implementing a tailored job-matching algorithm that increased candidate satisfaction by 20%.
- Managed server deployment and CI/CD pipeline to streamline development and ensure continuous delivery and integration.
- Implemented performance improvements that optimized backend processes, reducing job matching times and increasing platform efficiency.

Hospals(Healthtrip)

- Developed scalable backend APIs for a CRM platform, improving the handling of customer relationships and data management.
- Integrated third-party tools and services, enhancing email communication and CRM functionalities for improved customer experience.
- Led the backend development of customer management features, ensuring efficient data retrieval and processing.
- Worked closely with cross-functional teams to align backend services with the business needs, optimizing platform performance.
- Managed API performance and ensured secure, seamless communication with external services, maintaining high availability and reliability.
- Implemented strategies to scale the CRM platform, ensuring it could handle increasing amounts of customer data and interactions effectively.

Web Development Intern

Jun 2021 – Dec 2021

Softpro Limited (Lucknow)

- Worked on backend development using **Java** and **JSP template** for both backend and frontend development.
- Developed a banking software solution that allowed users to open accounts, and perform debit and credit transactions, enhancing financial management functionality.
- Designed and implemented the frontend using **React.js**, **HTML**, and **CSS** for an intuitive user interface.
- Optimized performance and ensured smooth interaction between the frontend and backend components for seamless user experiences.
- Collaborated with the team to ensure timely delivery of features and maintain scalability and security for the banking solution.
- Ensured **cross-browser compatibility** and followed **UI/UX best practices**, improving user engagement and satisfaction.
- Conducted rigorous debugging, enhancing website performance and reducing load times by 15%.

Education

Srm University

Master of Computer and Application

2022 – 2024

- Gained in-depth knowledge and practical skills in Full Stack Development, Data Structures, Algorithms, Database Management, and Software Engineering.
- Developed expertise in Project Management, Agile methodologies, and Web Development through hands-on projects and team collaborations.
- Enhanced problem-solving abilities and analytical thinking, contributing to successful completion of various academic and industry-oriented projects.
- Improved teamwork, leadership, and communication skills by participating in group projects and managing events.