

# Piyush Kumar

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Passionate Developer skilled in designing scalable microservices, RESTful APIs, and robust databases. Proficient in Spring Boot, Kafka, and PostgreSQL to optimize performance and solve real-world challenges. Experienced in developing responsive and intuitive user interfaces using React.js, with a strong focus on user experience and front-end performance. Dedicated to continuous learning and the delivery of high-performance, end-to-end solutions across both backend and frontend.

## EDUCATION

<b>Shri Shankaracharya Group of Institutions</b>	Bhilai, India
<i>B.Tech in Computer Science, Secured an aggregate of 8.74 CGPA (First Div. With Hons.)</i>	<i>July 2017 – June 2021</i>
<b>Kendriya Vidyalaya BMY Bhilai</b>	Bhilai, India
<i>AISSE(12th) CBSE Board with 80 Percent (First Div. With Hons.)</i>	<i>July 2016 – June 2017</i>
<b>Kendriya Vidyalaya BMY Bhilai</b>	Bhilai, India
<i>AISSE(10th) CBSE Board with 10 CGPA (First Div. With Hons.)</i>	<i>July 2014 – June 2015</i>

## EXPERIENCE

<b>Sr. Software Engineer</b>	Apr 2024 – Present
<i>Wipro Limited</i>	<i>Hyderabad, India</i>
<ul style="list-style-type: none"><li>Developed backend services for diverse products, boosting <b>performance by 30%</b>, and ensuring <b>seamless integration</b> with front-end systems and third-party APIs.</li><li>Designed and implemented scalable microservices using Spring Boot, boosting <b>process automation efficiency by 35%</b> and optimizing RESTful APIs to enhance <b>data exchange speed by 25%</b>.</li><li>Implemented <b>message-driven architectures using Kafka</b>, resulting in <b>40% improvement in system scalability</b> and <b>reliable asynchronous communication</b> between microservices.</li><li>Built innovative proof-of-concept applications addressing complex real-world challenges. Leveraged Spring Boot for <b>efficient backend development</b>, ensuring <b>system reliability</b> and <b>seamless integration with modern technologies</b>.</li></ul>	
<b>Software Engineer</b>	Nov 2021 – Mar 2024
<i>Wipro Limited</i>	<i>Hyderabad, India</i>
<ul style="list-style-type: none"><li>Built and maintained scalable <b>microservices</b> using <b>Spring Boot</b>, adhering to <b>clean code principles</b> and <b>RESTful design patterns</b>.</li><li>Designed and optimized <b>database schemas</b>, and wrote efficient <b>SQL queries</b> for data handling using <b>PostgreSQL</b>.</li><li>Integrated <b>Apache Kafka</b> for <b>asynchronous messaging</b> between microservices, improving system scalability and reliability.</li><li>Implemented <b>exception handling</b>, <b>input validation</b>, and <b>logging mechanisms</b> to ensure application stability and maintainability.</li><li>Used <b>Spring Security</b> and <b>JWT tokens</b> to implement secure authentication and authorization mechanisms.</li></ul>	

## PROJECTS

<b>Invoice Service</b>   <i>Spring Boot, Kafka, Microservices, JPA, JSON, PostgreSQL</i>	March 2023 – Present
<ul style="list-style-type: none"><li>Developed a robust invoice generation process handling <b>15M+ monthly invoices</b> using a microservices architecture. Achieved <b>40% reduction in backend load</b> by leveraging <b>OpenHTMLtoPDF</b> and <b>Thymeleaf</b> for dynamic PDF generation. Ensured <b>reliable inter-service communication</b> with <b>Kafka</b> and optimized data management using <b>PostgreSQL</b> and <b>JSON</b>, improving data processing speed by <b>30%</b>.</li></ul>	
<b>Tech-Refresh</b>   <i>Spring Boot, Kafka, Microservices, JSON, RESTful APIs, PostgreSQL</i>	Feb 2022 – March 2023
<ul style="list-style-type: none"><li>Developed a product using <b>microservices architecture</b>, <b>RESTful APIs</b>, <b>Kafka</b>, <b>JSON</b>, and <b>PostgreSQL</b>, streamlining letters team operations and reducing manual effort by <b>50%</b>. Delivered an intuitive interface for dynamic letter and template generation, enhancing <b>process efficiency by 40%</b> with a scalable, reliable backend infrastructure.</li></ul>	

## SKILLS

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- \* **Languages:** Java, C, C++, HTML5, CSS3, Javascript, SQL
- \* **Back-end Frameworks/Libraries:** Spring Boot, Hibernate, Microservices, React JS
- \* **Web Technologies:** RESTful APIs, JSON, BootStrap
- \* **Databases:** DB2, MySQL, PostgreSQL
- \* **Tools & Technologies:** Maven, Jenkins, JIRA, Swagger, Eclipse, VS Code, STS
- \* **Messaging Systems:** Kafka
- \* **Version Control:** Git, GitHub
- \* **Testing/Debugging:** Postman, JUint
- \* **Familiar Technologies:** AWS, Machine Learning, Artificial Intelligence, Generative AI

## CERTIFICATIONS

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- \* AWS Fundamentals & Cloud Practitioner Essentials
- \* Wipro Spring-Boot, Microservices L1 & Microservices L2
- \* AWS Fundamentals of Machine Learning & Artificial Intelligence

## ACHIEVEMENTS

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- \* **Rashtrapati Award**, Bharat Scouts and Guides
- \* **Winner of Samvid Hackathon 2.0**, SSGIBhilai
- \* Participant of 43rd NCERT National Science Exhibition Held at the International Exhibition Center Bangalore
- \* Organizer of Samvid Hackathon 3.0, collaborating with Devfolio