

Deepthi Pamisetty Software Engineer

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PROFESSIONAL SUMMARY

Results-driven Software Developer over 4 years of experience in full-stack development, cloud computing (AWS, Azure), and scalable microservices. Proficient in JavaScript, Java, and Python, with a strong track record of optimizing system performance, enhancing security through authentication mechanisms, and leading projects that boosted user engagement by 20%. Skilled in developing scalable web applications, API integrations, and database management. Passionate about collaborative problem-solving in Agile environments, translating complex business requirements into efficient and innovative technical solutions.

SKILLS

Languages: Java, JavaScript, Python, TypeScript, C, C++, C#, HTML5, CSS3.

Frontend Technologies: React.js, Vue.js, Angular, Bootstrap, Redux.

Backend Technologies: Node.js, .NET, Spring Boot, Spring MVC, Hibernate, RESTful APIs, GraphQL.

Databases: MySQL, SQL Server, PostgreSQL, MongoDB, Oracle, Cassandra, Redis, Snowflake

Cloud & DevOps: AWS (EC2, S3, Lambda, RDS), Azure, Docker, Kubernetes, Terraform, Jenkins, CI/CD.

Security & Testing: OAuth2, JWT, SonarQube, JUnit, Mockito, TDD

Tools & Technologies: Jira, Git, Linux, Gradle, Kafka, Postman, Maven, Apache Tomcat

WORK EXPERIENCE

Software Engineer, Commonwealth Bank of Australia

08/2022 – 12/2022 | Bangalore, India

- Optimized a Digital Banking Web App using Angular, Node.js, and MongoDB, implementing SSR and SSG to improve page load speed by 40% and boost SEO rankings.
- Implemented Next.js dynamic routing and API routes, optimizing backend communication and reducing redundant API calls by 30%, resulting in a 20% cost reduction on server usage.
- Configured OAuth2 and JWT for secure user authentication, protecting sensitive data while utilizing SonarQube for continuous security monitoring.
- Designed GraphQL queries and integrated RESTful APIs, minimizing data over-fetching and optimizing response times, which enhanced real-time dashboard analytics for more informed business decision-making.
- Collaborated with UX/UI teams to refine web interfaces, enhancing user engagement and increasing conversion rates by 20% through heatmap analysis and performance optimizations.
- Crafted a fully responsive design with Tailwind CSS and Material UI, optimizing mobile usability and significantly increasing user engagement across multiple devices and screen sizes.

Software Developer, SanDisk Pvt. Ltd.

11/2018 – 07/2022 | Bangalore, India

- Contributed to cloud storage solutions at SanDisk during its collaboration with Amazon Web Services (AWS), optimizing flash memory and SSDs for EC2 and S3 services, improving data processing and storage efficiency.
- Engineered a smart storage management system at SanDisk, using machine learning to optimize data distribution across SSDs, improving read/write efficiency by 25% based on usage patterns and data access frequency.
- Developed a scalable backend system using Spring Boot, integrating Cassandra as a NoSQL database to improve data storage, retrieval efficiency, and system scalability.
- Created robust API endpoints following REST principles, enhancing system interoperability and reducing data transfer latency across distributed systems.
- Architected and deployed containerized backend services using Docker and Kubernetes, improving scalability and reducing deployment downtime by 40%, ensuring efficient data processing for high-volume storage systems.
- Automated CI/CD pipelines for automated testing, deployment, and delivery, streamlining the adoption of new features and enhancing the performance of data-driven storage applications.
- Built serverless solutions on AWS Lambda and DynamoDB, improving application scalability and reducing operational costs by 15% for cloud-based platforms, enabling better data management and real-time access.
- Managed AWS-based infrastructure with EC2 instances for compute power and S3 for scalable storage, ensuring 99.9% system uptime.

ACADEMIC PROJECTS

Smart Healthcare Appointment System

React.js, Node.js, PostgreSQL, Azure, Docker

- Built a cloud-based system managing 10,000+ monthly appointments, reducing wait times by 25% and improving efficiency by 35%.
- Incorporated real-time notifications (SMS/email) and deployed securely on Azure using Docker and Kubernetes.

E-Commerce Platform with Product Recommendations

Python, Django, AWS, TensorFlow, Kubernetes

- Developed an AI-driven e-commerce platform with personalized product recommendations, increasing sales and user engagement by 20%.
- Deployed on AWS using Docker and Kubernetes, integrating payment gateways and secure role-based access control for scalability and data privacy.

EDUCATION

Masters in Computer Science, University of Texas at Arlington

01/2023 – 12/2024 | Texas, USA

Bachelors in Computer Science, GITAM University

07/2014 – 07/2018 | Bangalore, India