

Ashritha Pabba

Mission Viejo, CA

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Summary

Experienced Full Stack Developer with experience in crafting high-quality web applications and delivering impactful software solutions and ensuring seamless performance to meet user and business needs.

Skills

- **Programming:** Java, JavaScript, TypeScript, C#, ASP.NET Core, C++, React, HTML, CSS, Node.js, Express.js, Angular, PHP, JSON, XML, JQuery.
- **Databases:** SQL Server, MySQL, Oracle, PostgreSQL, MongoDB, SQLite.
- **Web Services:** RESTful APIs, JSON, XML, Pub/Sub pattern, java servlets, RabbitMQ, Kafka.
- **Cloud:** AWS(ECS, S3, RDS, Lambda), AZURE(Azure Blob Storage, App Services, AKS), Azure DevOps.
- **Tool:** Postman, Swagger, Insomnia, JIRA, GIT, Maven, IntelliJ IDEA, Terraform, Docker, Kubernetes, Jenkins.
- **Other Expertise:** (CI/CD Pipelines, Linux, TDD(JUnit), Agile (Scrum), UX/UI Design Principles, Containerization, Vite, Axios, OOP, Data Structures and Algorithms.
- **Artificial Intelligence:** PL/SQL, LLM, TensorFlow, PyTorch, NumPy, Q-Learning, PPO, A3C, NLP.
- **Authentication:** OAuth, JWT, GDPR Compliance.
- **Frameworks:** Spring Boot, ASP.NET MVC, Django, Flask, Entity Framework, Walking Skeleton.

Work Experience

Tata Consultancy Services

Hyderabad, India

Full-Stack Developer - Verizon Client

August 2019 - Jan 2023

- Developed and maintained enterprise backend services for Verizon using Java, Spring Boot, and RESTful APIs, ensuring high-performance and scalable solutions.
- Implemented Java Servlets and efficient web services to support web-enabled applications, delivering enhanced user experiences and streamlined system functionality.
- Designed and implemented JSON-based data interchange, leveraging Agile methodologies and automated testing tools to ensure data consistency and streamline continuous integration.
- Collaborated with cross-functional teams across multiple regions to deliver innovative software solutions.
- Optimized application performance by applying advanced object-oriented design principles and managing transactional and relational databases with SQL.
- Employed (TDD)test-driven development contributing to CI/CD pipelines, integrating automated testing tools to enhance the release process and efficiently resolve production issues.
- Utilized Postman to test and debug RESTful APIs, ensuring accurate data flow and reliable backend functionality.
- Created and managed Postman collections for automated API testing, streamlining the validation process during development and integration phases.
- Participated in code reviews to maintain high coding standards and foster team-wide learning.

STLW

Hyderabad, India

Software Developer - Intern

July 2018- May 2019

- Gained hands-on experience in Full-Stack development, focusing on RESTful APIs and GraphQL APIs using Node.js and Express.js ensuring seamless data flow and efficient backend operations.
- Implemented database integrations with SQL and MongoDB, including data pagination, validation and secure user authentication systems.
- Built WebSockets and managed payment integrations with Stripe.js for online transactions.
- Collaborated on projects like an online shop and blog, applying best practices in testing, deployment and performance optimization.
- Optimized application performance through server-side caching and asynchronous processing, ensuring faster response times and better resource utilization.

Projects

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Full-Stack Application – Microservices Architecture

- Created a microservices-based Wardrobe Application using .NET 7 for backend services and Next.js for the frontend.
- Developed a modular microservices-based application focusing on wardrobe management, creation, planning and tracking.
- Implemented RabbitMQ for service-to-service communication and IdentityServer for authentication and authorization.
- Built a gateway using Microsoft YARP and utilized SignalR for real-time push notifications to client.
- Dockerized services and configured CI/CD workflows with GitHub Actions, including local and cloud deployment to Kubernetes clusters.
- Focused on building, testing (with XUnit) and publishing a scalable Wardrobe application with gRPC, Ingress controllers and seamless integration across microservices.

Full-Stack Application with .NET Core and React

- Built a social network application using .NET 7.0, React18(with TypeScript), and Mobx, following Clean Architecture and CORS+ Mediator pattern.
- Integrated ASP.NET Core Identity for authentication, including user registration and login with JWT.
- Developed features like photo upload with Dropzone and Cropper, real-time communication via SignalR and advanced filtering, sorting and pagination.
- Focused on hands-on learning, building a complete solution with AutoMapper, ReactRouter and responsive UI using SemanticUI.

AI Driven App

- Developed AI-driven solutions using advanced techniques like Q-Learning, PPO, SAC, and state-of-the-art models such as Transformers and LLMs, including chatbot fine-tuning with NLP.

Education

Osmania University College

Information Technology

Aug 2015 - May 2019

- Courses: Data structures, Database Management Systems, Cloud Computing, VLSI Design, Embedded Systems, Design & Analysis of Algorithms, Artificial Intelligence, Information Security, Wireless and Mobile communication, Object Oriented Systems Dev.

Certifications

- Certified Software Engineer HackerRank
- Microsoft Certified: Azure Fundamentals (AZ-900)