

VINITH KUMAR PASULA

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Professional Summary

Accomplished Software Engineer with 3 years of experience developing and maintaining complex web applications and cloud infrastructure, Spearheaded the optimization of 30+ RESTful APIs, boosting API response times by 20% and cutting unauthorized access incidents by 50%. Directed teams of up to 5 developers in deploying scalable applications on AWS, seamlessly integrating front-end apps with React.

Skills

- **Programming Languages:** Python, Java, C++, JavaScript, C#.
- **Web Technologies/Frameworks:** HTML, CSS, PHP, Flask, Django, Spring boot, express.js, React, ASP.net, postman.
- **Databases:** Oracle 12c and 19c, MySQL, MongoDB, PostgreSQL.
- **Scripting Languages:** Power shell, Unix shell, Python, bash.
- **Cloud Platforms:** Microsoft Azure, Amazon AWS, OpenText Cloud.
- **Other Tools:** Docker, Kubernetes, Jira, GitHub, Selenium, Maven.

Experience

Senior Software Engineer

Infosys Limited, Hyderabad, India | [AWS Ec2, AWS s3, MongoDB, JavaScript, Express.js, Postman, React JS, C#, Python]. **June 2021-July 2022**

- Maintained and optimized over 15 RESTful APIs using Express.js and JavaScript (Node.js) for the product review system ensuring the system's performance, security, and scalability, for an e-commerce web application review system.
- Handled various auxiliary tasks and contributed to the overall efficiency and functionality of the platform to handle product reviews efficiently, ensure high product quality, and enhance the overall business operations, development, and administrative processes.
- Integrated with the central user authentication service to ensure that only registered users can submit reviews, enhancing security and data integrity.
- Developed automation scripts and backend services in Python, enhancing the operational workflow by automating routine tasks.
- Integrated C# components into the existing system to leverage its performance benefits in handling complex business logic, particularly in data-intensive scenarios, resulting in a 15% improvement in processing speed.
- Designed and developed about 10 API endpoints with CORS (Cross-Origin Resource Sharing) support for product review management.
- Deployed the application using AWS EC2 instances, ensuring scalability and reliability, and managed product and customer images as static files in AWS S3, facilitating efficient storage and retrieval.
- Implemented services for user registration, login, and review management with comprehensive validation and error handling.

Software Engineer

Infosys Limited, Hyderabad, India | [OpenText Documentum, MongoDB, JavaScript, express.js, GitHub,C#,Python] **August 2019-May 2021**

- Developed and managed over 20 RESTful API endpoints for various functionalities, including user registration, login, document management, and role assignment using Express.js.
- The primary objective was to develop and integrate a robust Document Management System (DMS) using OpenText Cloud API. This system aimed to streamline document handling processes, improve data access and security, and enhance overall operational efficiency.
- The DMS solution was offered as a SaaS product, providing the Client with a cloud-based, on-demand service, that allowed the Client's various departments to access and manage documents securely from anywhere, with the SaaS model.
- Achieved a 30% boost in document retrieval speed by leveraging the full-text search capabilities of OpenText Documentum.
- Deployed Mongoose models for managing database schema in MongoDB, specifically for Users, Documents, and Roles.
- Engineered a robust file management system using C#, facilitating seamless integration with existing Documentum functionalities, and ensuring efficient data storage and retrieval.
- Developed Python-based automation tools to streamline administrative tasks, resulting in a 30% reduction in processing time.

Certifications

- [AWS Cloud Essentials](#) | [AWS Cloud Architecture, Cloud Infrastructure, SaaS, PaaS] **January 2024**
- [Developing Applications in Python on AWS](#) [AWS lambada, Cloud9, S3, Dynamo DB, SAM, SQS, SNS] **January 2024**
- [Microsoft Azure Cloud services](#) | [Azure VMS, Azure Functions, Azure Blob Storage, Azure SQL database] **December 2023**

Education

Stony Brook University.

Master of Science in Computer Engineering (GPA: 3.77/4.00)

August 2022 –May 2024

Stony Brook, New York

Osmania University.

Bachelor of Engineering in Computer Engineering (GPA: 3.83/4.00)

May 2015 – June 2019

Hyderabad, Telangana

Projects

[Vinith Travel WebPage](#) | [GitHub](#) | [html, CSS, JavaScript, JSON, Git, Visual Studio]

March 2024

[Vinith Blogs](#) | [GitHub](#) | [Microsoft Azure, Django, Python, HTML, CSS, GitHub, Visual Studio]

January 2024

[Book review System](#) | [GitHub](#) | [React, Node.js, Express.js, postman, JavaScript, HTML, CSS, GitHub, Heroku]

December 2023