Abhijit Singh

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Profile

Software Engineer with 2+ years of experience in Full Stack Development and Cloud Deployment. Proficient in Node.js, React.js, Express.js, MongoDB, and Azure Services, with expertise in developing, and deploying scalable web applications. Skilled in microservices architecture, optimizing application performance, and leveraging cloud technologies for efficient deployment. Passionate about problem-solving and delivering high-quality, user-centric solutions.

Professional Experience

Acuvate Software Pvt Ltd
Software Engineer

- Designed and developed scalable full-stack applications using Node.js, React.js, Express.js, MongoDB, and Azure Services, optimizing performance and maintainability.
- Built microservices-based architectures to enhance modularity, scalability, and efficiency, facilitating seamless communication between services.
- Enhanced the user experience by developing an intuitive and responsive frontend for document comparison, improving accessibility and simplifying complex data visualization.
- Implemented key enterprise solutions in Pimcore, including custom encryption fields, approval workflows, bulk data processing, and cascading dropdowns, improving data security and usability.
- Automated CI/CD deployment processes using Docker, Kubernetes, and Azure DevOps, ensuring faster and more reliable releases.
- Collaborated with stakeholders to define technical solutions aligned with business needs, ensuring efficient execution and delivery.
- Conducted system performance analysis and workflow optimization, ensuring seamless integration of new features with existing architectures.

Projects

Video Decoding | React.js, Node.js, Docker, GPT-4V, Computer Vision, Azure Cosmos DB, Key Vault, Blob Storage, Kubernetes, Logic Apps

- Developed a responsive React.js frontend with authentication, allowing users to access and analyze videos.
- Implemented searchable input fields, video thumbnails, and navigation breadcrumbs for enhanced usability.
- Designed an intuitive interface enabling users to view video insights, transcription, summaries, objectives, and emotional analysis using GPT-4V and Computer Vision.
- Built a microservices-based backend in Node.js, leveraging Experience, Process, and System APIs for seamless data processing and retrieval.
- Utilized Azure Logic Apps and RESTful APIs to enable single and bulk video analysis, with automated user notifications upon completion.
- Deployed backend APIs to Azure Kubernetes Services (AKS) using Docker and Azure Container Registry, ensuring scalability and reliability.

Codebook Comparison | React.js, React Redux, Material-UI

- Developed an interactive web interface using React.js to render and compare document versions seamlessly.
- Implemented Redux for efficient state management, ensuring smooth data flow across the application.
- Optimized API calls using Axios and `createAsyncThunk` to enhance performance and reduce redundant requests.
- Designed a dynamic UI with Material-UI, providing a seamless user experience with color-coded comparison results.

3IN1IntranetPortal | Pimcore, PHP, Symfony, MySQL, Ext JS

- Collaborated with stakeholders to understand business needs and translated them into scalable technical solutions in Pimcore.
- Developed dynamic cascading dropdowns in the Pimcore object panel using Option Provider Class and Ext JS elements for dependency-based selections.
- Designed a field-level approval workflow for data validation, reducing data errors and integrating SMTP-based notifications for approval status updates.
- Implemented CryptoJS-based encryption and decryption in Pimcore's Encryption Field, ensuring secure data storage and transmission.
- Automated daily CSV-based data imports using cron jobs, improving efficiency and reducing manual effort for content creators.
- Authored comprehensive technical documentation, ensuring easy maintenance and future scalability.
- Provided live demos and knowledge transfer sessions, ensuring seamless adoption of newly developed features by the client's internal teams.

Technical Skills

- **Frontend:** React.js, Ext.js, HTML, CSS
- **Backend:** Node.js, Express.js, PHP, Symfony
- **Databases:** MongoDB, CosmosDB, MySQL, SQL Server
- **DevOps & Cloud:** Azure Kubernetes Service, Azure Function App, Docker, Azure Container Registry, Azure DevOps
- **Frameworks & Tools:** Redux (State Management), Passport.js (Authentication), Pimcore
- **Others:** Generative AI, Git, OOPS

Certifications

- [MERN Full Stack Development ↗](#)
- [DevOps with Docker, Kubernetes, Terraform ↗](#)

Trainings

Acuvate Software Pvt Ltd
Software Engineer

- Trained in Node.js, React.js, Express.js, and MongoDB.
- Gained hands-on experience in Generative AI technologies.

Education

B.Tech in Civil Engineering	**Aug 2016 – Jul 2020**
Maulana Abul Kalam Azad University of Technology	Kolkata, India
Higher Secondary Certificate	**Apr 2014 – Mar 2016**
St. Thomas High School	Dhanbad, India
Secondary School Certificate	**Apr 2012 – Mar 2014**
D.A.V High School	Asansol, India