

Vardhan

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PROFESSIONAL SUMMARY

Results-driven Full Stack Developer and AEM Specialist with 5+ years of experience designing, developing, and deploying scalable, responsive web applications across enterprise, fintech, telecom, and healthcare domains. Expertise in Adobe Experience Manager (3+ years), React, TypeScript, Java (Spring Boot), Node.js, and AWS, with a strong focus on performance, SEO, CMS, and DevOps practices. Adept in Agile environments, cross-functional collaboration, and delivering pixel-perfect UI/UX from Figma designs.

TECHNICAL SKILLS

- **Frontend:** React, TypeScript, Alpine.js, JavaScript, HTML5, CSS3, Bootstrap, jQuery, Jest, Figma
- **Backend:** Node.js, Express.js, REST APIs, GraphQL, Java (Spring Boot), Hibernate
- **CMS & Frameworks:** Adobe Experience Manager (AEM), Phoenix (T-Mobile), Content & Experience Fragments, MSM, AEM Components, Dispatcher Configs, Sling Models
- **Cloud & DevOps:** AWS (EC2, Lambda, S3), Docker, GitLab CI/CD, GitHub, BitBucket, GitLab, GGShield, Jenkins
- **Tools & Testing:** Postman, VSCode, Jest, JUnit, Mocha, Jira, Prometheus, Grafana
- **Databases:** PostgreSQL, MySQL, MongoDB, Snowflake, SQL Server, Oracle

PROFESSIONAL EXPERIENCE

T-Mobile Jan 2025 - Present

AEM Full Stack Developer / Dev Lead

- Developed and authored AEM pages using client libraries and a mix of custom and built-in components.
- Integrated TypeScript controller logic within the Phoenix platform to support backend interaction and dynamic UI behavior.
- Created and tested Node.js REST API services, and integrated them using the Phoenix Pub/Sub framework.
- Designed and implemented SEO best practices and page-level analytics, increasing site visibility and providing valuable insights into user behavior
- Built the Telemetry page with dynamic binding, reusable components, and spinner shimmer loading states.
- Worked with Experience Fragments, Content Fragments, and CA configurations to enable modular content delivery.
- Managed dispatcher cache, ensured AEM authoring flexibility, and led cross-environment deployments (local, dev, QLab).
- Authored comprehensive authoring guides for business users, enhancing their ability to efficiently manage content
- Conducted unit testing using Jest (*.spec.ts) and collaborated with QA for workflow validation and issue resolution, improving software reliability and reducing bugs
- Maintained Linux-based development setup on Ubuntu (Windows WSL), ensuring a stable and efficient development environment
- Implemented secure code practices using GGShield and GitLab integrations, enhancing code security and compliance

Freddie Mac Jan 2024 - Dec 2024

Software Engineer

- Built responsive UIs with React integrated into AEM templates and collaborated on custom AEM component development.
- Integrated AEM Content Services with Spring Boot APIs for dynamic content delivery and backend connectivity.
- Developed and deployed Spring Boot microservices consumed by AEM components and React frontends.
- Managed Docker-based containerization and deployed microservices on AWS EC2 and Lambda.
- Developed CI/CD pipelines using Jenkins and GitLab CI, streamlining the deployment process and reducing time to market
- Integrated Grafana and Prometheus for system monitoring, enhancing real-time visibility and reducing system downtime
- Followed security best practices with role-based access and token authentication.

University of Cincinnati Oct 2022 - Dec 2023

Full Stack Developer

- Collaborated on AEM-enabled portals, consuming JSON content from AEM Content Fragments and rendering them in React UI, which improved user engagement and content delivery
- Delivered feature-rich React apps integrated with Spring Boot REST APIs for backend operations, enhancing application performance and user satisfaction
- Integrated GraphQL and REST for flexible and optimized data retrieval.
- Performed unit testing using Jest, Mocha, and JUnit, ensuring code reliability and reducing bugs in production
- Deployed scalable Docker containers and Kubernetes workloads, which increased system scalability and reduced deployment time
- Collaborated with stakeholders using Git, Bitbucket, and Agile sprints to enhance project delivery and improve team communication

Tata Consultancy Services (Client: Liberty Mutual) Mar 2021 - Jul 2022

Software Engineer

- Developed and enhanced AEM components and templates, integrating with Spring Boot services through Sling Models, which improved system efficiency and user experience
- Architected and deployed Spring Boot microservices supporting CMS-driven frontends, resulting in improved scalability and maintainability of the application
- Implemented IBM ODM decision logic and tested with JUnit, ensuring accurate decision-making processes and reducing errors in business logic

- Created reusable backend services integrated with AEM for content rendering and workflows, enhancing content management efficiency and reducing development time
- Resolved Jira tickets and collaborated with distributed teams for on-time delivery.

Arisglobal Sep 2019 - Feb 2021

Software Developer

- Built Java modules for pharmacovigilance platforms, optimizing data processing speed.
- Designed efficient PostgreSQL schemas to improve query performance, resulting in faster data retrieval
- Created D3.js-based data visualizations for better user understanding, leading to more informed decision-making
- Maintained high uptime by conducting thorough deployment testing using GitLab CI/CD, ensuring reliable system performance

CERTIFICATIONS

- Microsoft Certified: Azure Data Engineer Associate (DP-203) — Valid through Jul 2025
- AWS Certified Solutions Architect – Associate (In Progress)

PROJECTS

Face Emotion Recognition

- CNN-based Python model with 20% improved live detection accuracy.

AI Attendance System

- Facial recognition app that automated employee check-ins.

Geolocation Clustering

- K-means implementation for faster location-based analytics.

Blockchain Voting Platform

- Scalable decentralized voting solution for 2M+ users.

AI Colorization Model

- Revived grayscale images with 25% increased color accuracy.

Toxic Comment Classifier

- NLP model to detect and suppress toxic inputs.

EDUCATION

University of Cincinnati, OH

Master of Science, Information Technology

- GPA: 4.0/4.0

Jawaharlal Nehru Technological University, Hyderabad, India

Bachelor of Technology, Information Technology