**Pavan Kumar**

**Email: pavan.aemdev@gmail.com**

**Ph#: 2035140426**

**Professional Summary:**

* **With 8+ Years** using Adobe **AEM** (Adobe Experience Manager) including working with **AEM** as a Cloud Service and on prem latest (6.5.10) to develop large scale web applications.
* Extensive knowledge of Web/Enterprise Content Management, Content Delivery and Search.
* Strong experience in **AEM** Component Development, Templates, Sling Servlets, Sling Models, OSGI Services, DAM (Digital Asset Management), Workflows, Experience Fragments, Content Fragments, Multi-site Management etc.,
* Good understanding of integration patterns and content-centric application development patterns using **Adobe Enterprise Manager.**
* Excellent handling skill on **OOTB API** services by managing sling models.
* Experience in Headless **CMS Implementation** with Content Fragments using Sling Servlets, Sling Model Jackson Exporter.
* Experienced in developing **CMS** based applications using **AEM**, **Apache Sling and OSGI.**
* Extensive experience in **AEM** technologies ranging from Designing and implementation of Day CQ components, Page Templates, Workflows, servlets, custom bundles and Custom widgets.
* Experience in **AEM** Component Development, template development, Architecture, Administration and installation of Publish and Author instances etc.
* Proficient in configuring XDM schemas, dataset creation, and data ingestion pipelines to unify data across sources for activation in **Adobe CJA and Adobe Analytics.**
* Experience in Workflow development and integrating **AEM** with other applications.
* Good understanding of Java content repositories, sling request processing and **OSGi bundles.**
* Experience in **AEM**, JSP and Display Tag for User Interface Development.
* Hands on experience in implementing **OWCS Asset Data model**, Developing Template and CSElement, Configuring Vanity URL and Publishing destination.
* Experience with **Adobe Acrobat's** Creative Suite like Photoshop and Illustrator and Pdf, Design web pages, brochures, logos, signs, annual reports, advertisements.
* Hands on experience **Adobe Target Products, Adobe Analytics** and **Dynamic Tag Management** **Adobe Workfront.**
* Strong experience with setting up **AEM** using Maven and standard **Eclipse IDE.**
* Strong proficiency in writing complex SQL queries to extract, transform, and analyze large datasets from **Google BigQuery, Adobe Data Feeds, Snowflake, AEP Query Service**, and SQL-based databases for in-depth analytics reporting.
* Hands-on experience integrating analytics tracking across web, mobile apps (Firebase), third-party platforms, and **Adobe Experience** Platform using **REST APIs**, server-side tagging, and custom data layer strategies.
* Solid experience integrating with and working on **Adobe Workfront** for customizations, workflow management, and API-based task automation.
* Excellent understanding of Software Quality, Configuration Management and Software Release Practices.
* Excellent Understanding and good Experience with Object Oriented Concepts, Object Oriented JavaScript, Object Oriented Design and Implementation.
* Ease of communication, good at public relations, work well alone and in teams, sociable, serious, dynamic, and effective at identifying and managing priorities.

**Technical Skills:**

|  |  |
| --- | --- |
| **Programming Languages** | Java, PL/SQL and XML |
| **CMS** | Adobe AEM 6.5,6.4,6.3,6.2,6.1,6.0, OSGI, Apache Felix, Apache Sling API, JCR, CRX, Apache Jackrabbit, OAK, Adobe Target, Analytics, Workfront |
| **Cloud Tools** | Adobe Cloud Manager, AWS basics, **AEM**-as-a-Cloud-Service SDK |
| **Web/Application Servers** | IBM Web Sphere, Oracle WebLogic, JBOSS, Tomcat |
| **Web Technologies** | HTML4/5, CSS2/3, JavaScript, Ajax, JQuery, Angular JS, Bootstrap, Node JS. |
| **Web Service** | SOAP, REST |
| **Open Source** | JUnit, GIT Hub, Maven |
| **Databases** | Oracle, MySQL. |
| **Operating System** | Windows, Linux, Unix, Mac. |

**Education Details:**

Masters in computer science at Campbellsville university

Bachelors in electronics and communication engineering CMR College of engineering and technology, JNTU

**Professional Experience:**

**Client: Flagstar Bank, Troy, MI.| Duration: Jun 2024 – Till Date**

**Role: Sr. AEM Developer**

**Responsibilities:**

* Developed and customized **AEM** components and templates to enhance user experience and accessibility compliance.
* Integrated Solr search with **AEM** components for improved searchability.
* Conducted accessibility audits and remediated WCAG compliance issues.
* Optimized **AEM** workflows, OSGi configurations, and Sling models.
* Integrated Salesforce data into **AEM** pages for personalized user experiences.
* Architected and implemented **AEM** Sites, **AEM** Forms, and **AEM** Assets leveraging AEMaaCS.
* Developed custom workflows, templates, and components to streamline content management.
* Integrated **AEM** with Adobe Analytics, Adobe CDP, and Workfront.
* Migrated **AEM** 6.5 to **AEM** as a Cloud Service, optimizing cloud infrastructure.
* Implemented micro-services architecture using Spring Boot for scalable platforms.
* Built rich prototypes and applications using JavaScript, ReactJS, Redux, Redux-thunk, React-Router, jQuery, Axios, JSON, Bootstrap, and Material-UI.
* Ensured compliance with Web Content Accessibility Guidelines (WCAG) in all web applications by leveraging CSS, JavaScript, and web services.
* Setup Webpack, Babel, and Jenkins for the ReactJS application.
* Implemented ARIA attributes, keyboard navigation, and screen reader compatibility for **AEM** pages.
* Implemented Alpine.js for lightweight and reactive UI components, improving frontend interactivity.
* Conducted audits using Axe DevTools and Lighthouse to ensure compliance with accessibility standards.
* Integrated diverse technologies, including Salesforce and GIS, into **AEM**-based web portals.
* Developed micro services and backend logic using TypeScript and Node.js to enhance **AEM** functionality.
* Integrated Solr with **AEM**, enabling advanced search functionalities such as multi-language support, knowledge graph answers, and geographic data filtering.
* Managed application builds, deployments, and releases using Jenkins and Adobe Cloud Manager.
* Developed a RESTful content delivery framework to enhance data interaction across systems.
* Built prototypes and applications using Angular, JSON, Bootstrap, and Material-UI.
* Designed dynamic interactive forms and adaptive forms synced with the **AEM** Mobile Forms app.
* Utilized Adobe Workfront to manage project workflows, improving task tracking and reporting.
* Implemented Vanity URL and path management solutions, improving site navigation and SEO.
* Optimized **AEM** dispatcher configurations for better cache and content delivery performance.
* Monitored and resolved technical issues related to **AEM**, including performance, scalability, and configuration challenges.
* Assisted content authors and end-users in resolving application-related issues and provided guidance on best practices.
* Maintained detailed technical documentation for processes, configurations, and issue resolution.

**Environment:** **AEM** 6.5, AMS Cloud, Java, HTML5, CRX, Apache Sling, jQuery, JavaScript, Bootstrap, React, Alpine.js, Node.js, Typescript, Solr.

**Client: Capital Group Companies Inc, Scottsdale, AZ. | Duration: March 2023 – May 2024**

**Role: Sr. AEM Developer**

**Responsibilities:**

* Designed and developed Custom components, templates, dialogs, and Adobe DAM.
* Migrated from legacy website to **AEM** 6.5.10 and later moved it to AEMaaCS reducing deployment cycles by 40%.
* Developed and deployed **AEM** Sites on **AEM** as a Cloud Service
* Implemented **Adobe Edge Delivery Services** (EDS) to deliver static and dynamic content from the edge, significantly improving site performance and scalability.
* Configured Git-based workflows and frontend pipelines for EDS, enabling continuous content deployment using Jamstack principles.
* Integrated **AEM** Content Fragments with EDS for headless delivery, reducing load times and enhancing SEO performance.
* Collaborated with **Adobe support** and DevOps to deploy EDS across multiple environments using **Cloud Manager.**
* Developed metadata-rich components using semantic HTML and JSON-LD annotations to enable seamless integration with Adobe’s Universal Editor.
* Enabled in-context editing and live preview by implementing data editor attributes in EDS-rendered templates for author friendly experience.
* Built Touch UI components using **Sling Models, Sling Servlets, OSGi** Components/Services and Sightly.
* Creating Editable templates, page components, custom workflows as per the requirements
* Worked on Experience Fragments and Content Fragments
* Consuming REST and SOAP API Services during the component development for fetching backend data.
* Responsible for organizing/maintaining Client libraries.
* Worked on integration of **AEM** with Adobe Target, Adobe analytics with DTM.
* Managed Users, Groups and System Users and Access Control Level (ACL) permissions.
* Involved in configurations such as Dispatcher, Replication, and Dispatcher Flush agents.
* Integrated Dialog and Design Dialog for all the content-based components which allow to render the content dynamically.
* Wrote comprehensive JUnit test cases using wcm.io **AEM** Mocks to ensure regression-free releases.
* Integrated GitHub Actions with Adobe Cloud Manager for automatic deployments and quality gates.
* Configured and customized **Adobe Workfront** workflows, templates, and reporting dashboard to streamline project management processes and improve cross-functional team collaboration.
* Used **Workfront DAM** to create, manage, and distribute assets.
* Used the Java based **XPath API** in the **AEM** workflow process to parse and read the XML.
* Wrote scheduler service in **AEM** which will read the entire dam asset with expiry date, if found any expiry it will send the asset JSON for that image.
* Worked on DAM Assets, Package Manager, Package Share, Replication and other tools provided by **AEM** with core knowledge on implementation of utilization part.
* Wrote unit tests using JUnit and **AEM** Mocks to maintain >90% code coverage.
* Collaborated with QA and DevOps for automated testing and deployment using pipelines.
* Performing accessibility and testing following WCAG 2.0 standards.
* Involved in WCAG 2.0 testing for web applications.
* Designed and implemented report suites and dashboard reports using Adobe Analytics Reports
* Implemented Adobe report builder dashboards for partner sites using Analytics, Tag manager, Optimize and Attribution.

**Environment:** AEM 6.5, Java, Maven, HTML, CSS, Apache Felix, Apache Sling, CA Agile Rally, Web Services, Adobe Target, JSON, REST, SOAP Services, OSGi, Servlets, Sightly HTL, JavaScript, CSS.

**Client: CNO Financial Group, Carmel, IN. | Duration: Nov 2021 – June 2022**

**Role: AEM Developer**

**Responsibilities:**

* Created the custom dispatcher flush implementation services API using ACS commons API for **AEM** experience fragments and content pages.
* Developed application using HTL, REST services and **AEM** Forms.
* Developed Adaptive forms using **AEM** FORMS for custom and predefined templates.
* Worked on the up-gradation **AEM 6.3 to 6.4** for the JPMC applications.
* Implemented **OSGi components** with help of deployment descriptor using **OSGi** annotation.
* Developed OSGI Service Implementations using **OSGI Framework.**
* Working with the Cloud Versioning called Cloud Forge and also been in using the Team Forge the way to handle the agile methodology.
* Developed code to send and receive messages to/from MQ (queue).
* Customized dialogs for all the components for providing various options to authors while creating.
* Extensively used **AEM** tagging features in developing components and templates. Used JavaScript for writing listeners in the dialogs.
* Developed Custom **AEM** Workflows, **OSGi Services** and other Dynamic/Static web content management components.
* Involved in complete **AEM** related design and framework development using templates, components, **AEM** bundle, JCR/Sling API.
* Authorizing access rights to **AEM** users and groups for accessing DAM resources.
* Developed Components and Templates using **Adobe CQ5** for supporting the different WebPages.
* Utilized **HTML, CSS, jQuery** for designing and implementing custom CQ components.
* Used Log4J for logging and tracing the messages.
* Developed workflow components related to digital assets upload workflow as per the client requirements.

**Environment**: AEM 6.x, AEM 5.6.1, OSGi, Apache Sling, JSP, Apache Maven, HTML, JavaScript, jQuery, AJAX, MS SQL Server.

**Company: PROLOGGING-IN IT PRIVATE LIMITED, India. | Duration: Jun 2017 – Oct 2021**

**Role: AEM Developer**

**Responsibilities:**

* Implemented day-to-day updates across a multisite ecosystem and managed digital content across all company’s websites (**AEM**, Wordpress).
* Worked with MSM in **AEM** for creating Blueprints, live copies, configuration of rollouts.
* Implemented **Adobe Experience Manage** Platform including the development of numerous components and integrations.
* Extensively used **AEM** Tags on the components.
* Develop Custom **AEM** Workflows, OSGi Services and other Dynamic/Static web content management components.
* Integrated **AEM** with Adobe Target for AB and MVT testing.
* Create and integrate content driven applications on top of the **AEM** core platform.
* Provide estimates, designs, and specifications for **AEM** templates, components, and workflows.
* Involved in migration of the existing team site content models to **AEM.**
* Involved in Adobe **AEM** foundational concepts, including the CRX repository, the CQ platform, the use of core frameworks such as Apache Sling and Apache Felix.
* Performed **AEM** customization on foundation components, core CMS and workflows to extend functionalities, improve performance as per the requirements.
* Implemented REST, Apache Sling, **AEM** for Custom Coding.
* Worked on creating **AEM** components for authors and customizing parts of **AEM.**
* Setup and configure Authoring and Publishing environments, replication agents, dispatcher flush agents, **AEM** dispatcher to cache pages, HTML and serve as the static pages from **Apache.**
* Responsible for design, development and unit and integration testing of **AEM** components, templates and the corresponding web services.
* Implemented server side service components using Apache Felix framework and **Apache Sling.**
* Worked on **Multi Site Manager** (MSM) to develop live copy from blueprint, such that the structure and content can then be used on the Live Copy.
* Developed Workflows, Launchers, Servlets and **OSGI Services** according to the requirements.
* Created **OSGI Configuration** for environment and run modes specific configurations.
* Built various web pages using **HTML, CSS, Java Script and JQuery.**
* Worked on queries and created Oak indexes to make search better.
* Involved in building, deploying the code, moving code to different environments and Supporting the application post production and maintenance.
* Involved in daily meetings and worked in Agile Environment.

**Environment:** AEM. 6.x, 5.x**,** OSGi,Java, JavaScript, HTML, JSP, Servlets, Apache Sling, JCR.