

EDUARDO LOPES NOWAKOSKI

SENIOR AEM ENGINEER | AEM 6.x | AEM as a Cloud Service | Sling Models (Java) | HTL | OSGi |
Dispatcher | Enterprise CMS Architecture
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Summary of Qualifications

Senior AEM Engineer with experience building scalable enterprise CMS platforms using Adobe Experience Manager (AEM 6.x and AEM as a Cloud Service).

Strong background in Sling Models, HTL, Java, editable templates, reusable component architecture, and frontend integration with React, Angular, Next.js, and Vue.js.

Experienced in legacy modernization, microfrontend integration, performance optimization, and enterprise e-commerce ecosystems. AI-assisted development workflow using GitHub Copilot, Cursor, Claude, Codex, and browser-based AI tooling to accelerate debugging, refactoring, documentation, and delivery.

Core Skills

Adobe Experience Manager:

AEM 6.x • AEM as a Cloud Service • Sling Models • HTL (Sightly) • OSGi • JCR • CRXDE • Editable Templates • Experience Fragments • Content Policies • Dispatcher • AEM Archetype Customization • Author & Publish Environments

Backend & Integration:

Java • REST APIs • Service Mapping • Microfrontend Integration • CMS Architecture

Frontend Integration:

React • Angular • Next.js • Vue.js • TypeScript

Performance & Quality:

Performance Optimization • Lazy Loading • Lighthouse Improvements • Jest • Cypress • Automated Testing

DevOps & Delivery:

Git • GitFlow • GitLab • Azure DevOps • CI/CD • Continuous Integration • Continuous Delivery • Agile (Scrum/Kanban) • AEM Cloud Manager

Professional Experience

Company: Newfold Digital — April 2026 to Present

Position: Front End AEM Engineer

Main Activities:

- Develop enterprise AEM solutions using Sling Models, HTL, and reusable component-based architecture.
- Design and enhance reusable AEM components following scalability, maintainability, and authoring best practices.
- Create and maintain Editable Templates, Experience Fragments, and content structures supporting enterprise websites.
- Develop Sling Models to support dynamic content delivery and frontend integration requirements.
- Collaborate daily with global stakeholders and distributed teams in an English-speaking environment.
- Support Agile delivery processes, CI/CD workflows, and enterprise development standards.
- Leverage AI-assisted development tools including GitHub Copilot, Cursor, Claude, and ChatGPT to accelerate development, debugging, and delivery.

Company: NTT Data — March 2025 to March 2026

Position: Full-Stack AEM Engineer

Main Activities:

- Built scalable AEM solutions using Sling Models, HTL, editable templates, and reusable component architecture
- Led migration of 4 enterprise portals from AngularJS to Angular 20 within AEM ecosystem
- Improved platform performance by 20% and reduced production incidents by 80% through architectural modernization
- Developed author-friendly reusable components improving content team autonomy
- Integrated AEM with REST APIs and modern frontend applications
- Maintained scalable repository structures and AEM archetype customization
- Supported enterprise CI/CD pipelines, release workflows, and GitFlow processes
- Leveraged AI-assisted development tools including GitHub Copilot, Cursor, Claude, and Codex for debugging, refactoring, and accelerated delivery

Company: Merkle (Dentsu Group) — March to December 2025

Position: Full-Stack AEM Engineer

Main Activities:

- Developed enterprise AEM solutions integrated with React, Next.js, and Vue.js microfrontends
- Contributed to scalable microfrontend architecture shared across multiple e-commerce brands
- Built modular backend components using Sling Models, HTL, and reusable AEM patterns
- Improved frontend performance metrics by up to 40%
- Implemented scalable content structures using Experience Fragments and editable templates
- Applied automated testing strategies with Jest and Cypress integrated into CI/CD pipelines
- Collaborated with cross-functional teams in large-scale enterprise CMS environments

Company: Compass.uol - December 2022 to February 2025

Position: Front-End Engineer

Main Activities:

- Develop and maintain frontend applications deeply integrated with Adobe Experience Manager (AEM).
- Consume AEM-driven content via HTL and Sling Models, building highly authorable and reusable components.
- Support architectural improvements reducing technical debt and improving performance by 20%.
- Contribute to the evolution of CMS-driven e-commerce platforms with scalable frontend integration patterns.
- Maintain automated testing coverage and CI/CD workflows supporting stable enterprise deployments.

Front-End & AEM Intern - Compass.uol — January to December 2022

- Developed frontend applications integrated with Adobe Experience Manager
- Built reusable HTL and Sling Model-based components
- Contributed to architectural improvements reducing technical debt and improving platform performance
- Supported scalable CMS-driven e-commerce platforms and CI/CD workflows

Education

- Technology Degree in Systems Analysis and Development, Universidade Regional Integrada do Alto Uruguai e das Missões (URI), 2024.
- Bachelor's Degree in Civil Engineering, Universidade Regional Integrada do Alto Uruguai e das Missões (URI), 2017.

Courses & Additional Training

- English: Professional Working Proficiency (C1)