

GOKUL DEEP K K

SENIOR SOFTWARE ENGINEER

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Senior Full Stack Developer with **10 years of experience** architecting high-performance web applications. Expert in **Node.js and Angular** ecosystems, with a specialized focus on AEM integration and headless CMS architectures. Proven ability to bridge the gap between complex RESTful APIs and accessible, WCAG-compliant frontends to improve user engagement

WORK EXPERIENCE

Carelon Global Solutions | 2022 – Present

Senior Full Stack Developer - Engineered a multi-platform healthcare ecosystem encompassing patient-centric mobile apps, accessible AEM-powered web properties, and dynamic administrative portals to drive user engagement and provider connectivity.

- **AI-Powered Content Moderation:** Integrated TensorFlow.js and nsfwjs into the Node.js backend; engineered an automated image-scanning pipeline that reduced manual moderation needs and ensured a safe community environment.
- **Backend & Integration:** Architected Node.js APIs to integrate mobile applications with healthcare systems, facilitating real-time provider searches and appointment booking based on specific insurance plans.
- **Performance Optimization:** Optimized data transactions from databases like Dynamo DB and AWS Document DB and implemented caching strategies to ensure low-latency, secure, and highly available APIs.
- **Headless CMS Integration:** Developed a headless architecture where content for the Behavioural Health app was dynamically fetched from AEM Content Fragments via GraphQL, ensuring 100% content parity between web and mobile platforms.
- **Modular UI Development:** Developed a library of responsive, accessible, WCAG-compliant AEM components (Header, Provider Search, Accordions) using JS and Handlebars, designed for high reusability and author-driven customization.
- **Admin & Engagement Tools:** Designed and implemented an Angular/Node.js Admin Portal for the Sydney Community app, enabling the business team to trigger notifications and dynamically manage community content to drive user engagement.
- **Data Visualization:** Created high-impact dashboards within the Admin Portal to render usage reports, providing stakeholders with actionable insights into user behaviour.

Skills Used: NodeJS, Angular, AEM UI, JS, CSS, SCSS, Angular Material, Express, AWS Document DB, DynamoDB, GraphQL, TensorFlow.js, Bamboo, Git, Docker

Moonraft Global Solutions(now UST) | 2019 – 2022

Senior UI Engineer / Full Stack Developer - Spearheaded high-fidelity frontend development for premium brand websites and engineered automated testing frameworks to ensure cross-platform consistency.

- **Interactive UI Development:** Engineered complex, high-performance UI components for the Moonraft website using Angular; integrated Angular Animations to deliver a seamless and engaging user story.
- **Enterprise Web Architecture (Taj Hotels):** Orchestrated the frontend styling and component development for Taj Hotels within Adobe Experience Manager (AEM), ensuring pixel-perfect brand consistency across a vast network of global hotel web pages.
- **Custom Automation Engineering:** Architected and deployed a custom automated testing framework using Kotlin to validate UI consistency across multiple web properties, significantly reducing manual QA overhead.

Skills Used: Angular, Angular Animations, AEM UI, Kotlin (Automation), SCSS, JavaScript, HTML5.

Capgemini | 2016 – 2019

Software Engineer

- **QA Leadership:** Spearheaded a 5-member test automation team for MGM Resorts, developing robust automation scripts in Java and Selenium that improved test coverage and release stability.
- **Workflow Automation:** Engineered a custom test report generator using Python (Pandas) and Django, automating manual data analysis and accelerating reporting cycles for the QA department.

Skills Used: Java, Selenium, Python, Pandas, Django, SQL, Jenkins

Wizroots Technologies | 2015 – 2016

Software Engineer *Developed data-driven web applications and educational tools using the PHP ecosystem, focusing on MVC architecture and real-time data integration.*

- **Financial Data Engineering:** Developed a stock analysis platform using the CodeIgniter (MVC) framework; implemented web scraping logic and AJAX to fetch and display dynamic market data.
- **EdTech Development:** Engineered a PHP-based interactive quiz tool to facilitate student learning, leveraging MySQL for robust data management and user progress tracking.
- **CMS Customization:** Gained hands-on experience in configuring and maintaining enterprise websites using Joomla and WordPress CMS platforms.

Skills Used: PHP, MySQL, Javascript, JQuery, Ajax, Joomla/Wordpress

EDUCATION

B.E Information Science - CMRIT(2011-2015)



<https://github.com/gokuldeepkk>



<https://www.linkedin.com/in/gokul-deep-kk>