KAMAL KUMAR

Senior Full Stack Engineer | MEAN/MERN Architect | Cloud & DevOps Practitioner

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PROFESSIONAL SUMMARY

High-impact **Senior Full Stack Engineer with 9+ years of experience**, specialized in modernizing legacy systems into Serverless and **Micro-Frontend architectures**. Expert in bridging the gap between development and operations by implementing **AWS Cloud Native solutions and DevOps automation**. Proven track record of reducing infrastructure costs by migrating to Serverless, optimizing frontend performance, and leading cross-functional teams

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TECHNICAL SKILLS

- **Architecture & Design:** Micro-Frontends (Module Federation), Serverless Architecture (AWS Lambda), RESTful API Design, MVC/MVVM.
- **Frontend Ecosystem:** Angular (v2-v20), React.js, Next.js, TypeScript, RxJS, Custom Component Libraries.
- **Backend & API:** Node.js, NestJS, Express.js, PHP (Laravel Framework), AdonisJS.
- **Cloud & DevOps:** AWS (S3, CloudFront, Lambda, OpenSearch, EC2), Docker, CI/CD (Azure DevOps), Nginx.
- **Database:** MongoDB, MySQL, PostgreSQL
- **Testing & Tools:** Jasmine, Karma, Jest, Git, Jira, Webpack, Storybook.

PROFESSIONAL EXPERIENCE

COGNIZANT
Senior Web Developer | Oct 2021 – Present | Noida

- **Micro-Frontend Architecture:** Spearheaded the migration of a massive monolithic Angular application into a Micro-Frontend architecture using Webpack Module Federation, reducing release conflicts by 60%.
- **Serverless Implementation:** Led the transition of core backend services to AWS Lambda, optimizing scalability and reducing cloud spend.
- **Component Engineering:** Built a proprietary UI library to replace rigid third-party packages, offering greater flexibility and performance.
- **DevOps & Security:** Enhanced OpenSearch accessibility by integrating it securely into the application layer, replacing manual port-forwarding methods.

METLIFE GLOBAL OPERATIONS (GOSC)
Full Stack Web Developer | Aug 2018 – Oct 2021 | Noida

- **Legacy Modernization:** Led the modernization initiative, refactoring legacy jQuery codebases into modular Angular components, significantly improving maintainability.
- **Scalable UI Engineering:** Designed responsive insurance portals utilizing RxJS for complex state management and asynchronous data handling.
- **Form Architecture:** Engineered complex reactive forms with custom validators for automated claims processing.
- **Mentorship:** Mentored junior developers on code quality, design patterns, and strictly enforced ESLint/Prettier standards.

PROPROFS.COM
Software Engineer (PHP/Laravel) | Mar 2017 – Aug 2018 | Noida

- **SaaS Product Engineering:** Core developer for "Survey Maker" SaaS. Built complex logic engines (skip logic, branching) using PHP and MySQL.
- **System Integration:** Developed REST APIs for mobile apps and integrated OAuth (Google/Facebook) and Payment Gateways.
- **Widget Implementation:** Engineered "Embed Code" functionality allowing the survey engine to be injected into third-party websites using CORS and iframe communication.

EDUCATION

- B.Tech (Computer Science & Engineering) | AKTU University | 2016

CERTIFICATIONS

- Angular – The Complete Guide (Udemy)
- Understanding TypeScript (Udemy)
- Node.js Developer Course (Udemy)