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| **KUMAR ABHISHEK**  kumarabhishek.opensource@gmail.com | Bangalore | +91 9886283733 | |
| ABOUT ME | EDUCATION |
| * Working as Senior Computer Scientist - II with Adobe, for Firefly services and GenAI products. * 19+ years of product development experience with MNCs (Adobe, Cisco, Samsung, Yahoo, Hewlett Packard, etc) and Start-ups (ErosNow, Bazaarvoice). * Providing technical leadership for SaaS products of internet scale. * Technical planning, on-time delivery, tech-debt ownership. * Micro-services, REST APIs, server-less, auto-scaling, performance, security. * Node.js, Go, Python, AWS, MongoDB, DynamoDB, etc based tech stack. * E-Privacy regulations, Web Accessibility * Agile methodologies, Technical Hiring, Mentoring. | * Post-graduated from BITS, Pilani in 2009 with a MS degree in Software Systems. * Graduated from R.V. College of Engineering, Bangalore in June 2005 with a B.E degree in Information Science and Engineering. |
| SKILLS | CONTACT |
| **Cloud** | **Email** |
| * Amazon Web Service for compute (EC2, Fargate, ECS, ECR, Lambda, etc) * Database (RDS, Aurora, DynamoDB, Elastic Cache, S3, etc) * Network and content delivery (API Gateway, CloudFront, Route53, VPC, Cloud Map, ALB, WAF, etc) | [kumarabhishek.opensource@gmail.com](mailto:kumarabhishek.opensource@gmail.com)  **LinkedIn**  [linkedin.com/in/kumarabhishek](https://www.linkedin.com/in/kumarabhishek)  **Website**  <https://kumarabhishek.github.io>  **Mobile** +91 9886283733 |
| **Code** |
| * Production grade design and implementation of various services and applications * Node.js, Golang, Python, etc. * Multiple aspects of Clean Architecture, and cloud design patterns * Multiple HTTP protocols, WebSocket for real-time communication. |
| **Micro Services** |
| * Highly scalable APIs (REST, WebSocket, GRPC), over TLS (HTTP 1.1, HTTP 2) * Containerised microservices on Amazon ECS and Kubernetes. * Authentication and authorisation system based on cookies and tokens securing endpoints. * Protocol Buffer based encoding / decoding, etc. |
| **Others** |  |
| * Various Web based UI and PWA using JavaScript (React.js, Lit, etc) * Data privacy (e-privacy regulations) compliance for consent-based cookies management. * Meeting VPAT and W3C WCAG. |

EXPERIENCE

**Adobe**

*Senior Computer Scientist - II | July 2022 - Present*

* Building scalable API and services for first party Adobe flagship applications like Ps, Ai, Lr, etc and 3rd party enterprises for Firefly and GenAI capabilities.
* Leading team with architectural design for delivering milestones under organisational constraints and meeting OKR set by executive leadership team.
* Built commercialisation and metering system for generative credits management of various spectrum of Firefly API consumers.
* Guide and adopt technologies fit for the purpose including but not limited to Node.js, python, Golang, etc in a distributed systems with horizontal scalability, avoiding single-point of failure, security and all aspects of production grade considerations.
* Prototyping and building solution, feature, POC, etc for experimentation and innovation to improve and enhance current product and capabilities.
* Supporting talent acquisition team, performance review, etc.
* Collaborating and working with cross-geo teams including multiple time zones.

**Bazaarvoice**

*Principal Engineer | Mar 2021 – July 2022*

* Representing India technical leadership team for various product offerings and portfolio in ratings and reviews.
* Driving non-functional requirements such as performance, security, portability and scalability.
* Full-stack architecture, development, maintenance of solution using AWS, Google, Cloudflare, etc.
* Key leader for driving technological innovation and solving business problems for customer delight and retention.
* Regulation & Compliance leadership at organisation level for ePrivacy – CNIL & Web Accessibility – W3C WCAG.
* Part of technical leadership group for India-Bangalore initiatives.

**Cisco Systems**

*Architect | Mar 2013 – March 2021*

* Design and development of Cloud native application for Cisco Unified Communication Technology Group (UCTG).
* Identifying non-functional requirements such as performance, security, portability and scalability of the application.
* Full-stack architecture, development, maintenance of solution on AWS.
* Represent technical leadership team for co-ordinating with product management and other stake holder for cloud based UCTG telemetry solutions.
* Scrum, Kanban, Agile methodologies.

**Eros International**

*Technical Lead | Sep 2011 - Mar 2013*

* Overall backend development of web applications (ErosNow & ErosNow Analytics) including Nodejs, JavaScript, VARNISH, HAProxy, Stunnel, NginX, EC2, etc on AWS.
* HTTPS – SSL Certificate, REST APIs for catalog (Movies / Music videos / Short Content, etc.)
* User/Session Management, Social Network Login
* Frontend development using HTML5, CSS3, JavaScript, Pug, etc.
* Movie Subtitles, Online Subscription, Advertisement (Preroll, Companion, etc.)
* Optimization & performance tuning for iPad & Internet Explorer browsers, Google Analytics.

**Samsung**

*Lead Engineer | June 2009 – Sep 2011*

* Leading a team of application framework development for SAMSUNG bada platform.
* Reviewing code changes, refactoring, optimizing codebase as per requirement.
* Worked for design & development of modules in webkit based Samsung mobile browser.
* Solving critical issues related to rendering, mentoring & training newcomers.
* Received “Super Saver Award” for contribution towards total cost reduction of mobiles by developing webkit based web-browser.

**Yahoo!**

*Senior Software Engineer | May 2008 – June 2009*

* Design & development of yahoo alerts.
* Updating REST APIs as per application requirements.
* Participating in low-level design & architecture of component interfaces at API level.
* Contributing to code-review and unit-tests.

**Hewlett Packard**

*Software Engineer | June 2005 – May 2008*

* Unit-tests for APIs sanity checks supported by libIO on HPUX 11i.
* Porting various thread-unsafe components of libIO thread-safe using TLS.
* Key contributor and developer in IPMI team. Developed IPMI Tool in C++.