KUMAR ABHISHEK 

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| ABOUT ME  * 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 – CNIL (French Regulations) * Web Accessibility – W3C-WCAG * Agile methodologies, Technical Hiring, Mentoring.   EDUCATION   * 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.   CONTACT   * [kumarabhishek.opensource@gmail.com](mailto:kumarabhishek.opensource@gmail.com) * <https://www.linkedin.com/in/kumarabhishek> * <https://kumarabhishek.github.io> * +91 9886283733 | SKILLS**Cloud**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) to list a few.**Code**Production grade design and implementation of various **services** and **applications** using Node.js, Golang, Python, etc. Multiple aspects of **Clean** **Architecture**, and cloud design patterns. Supporting multiple HTTP protocols, **WebSocket** for real-time communication.**Micro Services**Highly scalable internal / external **APIs** (REST, WebSocket, GRPC), over **TLS** (HTTP 1.1, HTTP 2) running as **containerised** microservices on Amazon ECS and Kubernetes. Various kinds of authentication and authorisation system based on cookies and tokens securing endpoints. **Protocol** **Buffer** based encoding / decoding, etc.**UI**Various **Web** based UI and **PWA** using JavaScript (React.js, Lit, etc) passing **Core Web Vitals** (LCP, FID, CLS) and **Web Accessibility** (W3C WCAG). Various kind of **layouting** using CSS (Grid layout, Flexbox, Box model, etc).**Regulatory****Data privacy** (e-privacy regulations) compliance for consent based first-party and third-party cookies (CNIL, CCPA) management. Meeting **VPAT** and W3C WCAG.**Tools****VS Code**, Git, Lucidchart, NoSQL Workbench, Slack, Atlassian Jira, Atlassian Confluence, Markdown, Postman, AWS CLI, **Chrome Developer Tools**, etc. |

EXPERIENCE

**Adobe**

*Senior Computer Scientist - II | Mar 2021 - 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 - Present*

* Representing India technical leadership team for various product offerings and portfolio.
* 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, 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 & IE, 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++.