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, Web Accessibility

- Agile methodologies, Technical Hiring, Mentoring.

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)

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.

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

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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++.