

Aman Kumar Senior Software Engineer

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👤 Profile

A seasoned Software Development Engineer, I bring 5 years of expertise in cloud computing and microservices architecture to the forefront of innovation. With a zeal for crafting cutting-edge software solutions, I aim to merge my technical prowess and team spirit to amplify value through technology. Committed to perpetual learning, I thrive on tackling challenges that sharpen my problem-solving skills and elevate the user experience.

🧰 Professional Experience

Member of Technical Staff 2, Oracle 🔗

2022/03 – present | Bengaluru, India

- **Microservices and Access Control:** Developed and maintained infrastructure and applications for Oracle's Cloud Guard service, ensuring robust security monitoring and maintenance. Implemented Pod Disruption Budget (PDB) and Role-Based Access Control (RBAC) within Helm charts, fortifying the security of all microservices.
- **Feature Design and Implementation:** Engineered new features for Cloud Guard, enhancing its ability to detect issues and respond to security threats effectively.
- **Scalability Enhancements:** Spearheaded a team to boost Cloud Guard's scalability, achieving a 10x increase in service capacity and a 30% reduction in API response times, facilitating faster customer onboarding and meeting rising demand.
- **Automation and Efficiency:** Created applications to automate processes for various OCI teams, streamlining operations and improving service delivery.
- **Customer Success and Feedback:** Successfully rolled out Cloud Guard to users in more than 100+ regions, garnering positive feedback for its user-friendly interface and efficiency in security management.

Software Engineer, Pegasystems 🔗

2020/12 – 2022/03 | Hyderabad, India

- **Development Review and Problem Resolution:** Conducted thorough reviews of development work and effectively resolved product issues.
- **Dependency Management and Security:** Diligently managed and updated microservices dependencies to eliminate security vulnerabilities and maintain system integrity.
- **Collaboration and Planning:** Engaged in story grooming and planning sessions, identifying dependencies and ensuring seamless project progression.
- **Quality Assurance and Testing:** Executed rigorous code testing utilizing tools such as Junit, Mockito, and Postman to maintain high standards of code quality.
- **API and Microservices Development:** Crafted RESTful endpoints and architected microservices to enhance the PEGA product's features and capabilities.
- **Scalability and Security:** Developed and managed scalable, secure microservices, serving applications used by millions, with a focus on fortifying security through careful dependency management.
- **Backend Development Participation:** Actively contributed to backend development projects, supporting the team's efforts to deliver robust and reliable software solutions.

- **Online Banking Application Development:** Functioned as a key developer in crafting online banking applications tailored for major U.S. banks, enhancing digital banking experiences.
- **Responsive Web Application Implementation:** Successfully implemented a comprehensive responsive web application for a credit union bank, managing modules such as Accounts, Card Management, Settings, Transactions, and Login from inception.
- **UI Enhancement for Cross-Platform Compatibility:** Upgraded user interfaces to be responsive across various devices, including desktops, mobiles, tablets, and Single Page Applications (SPAs), ensuring a seamless user experience.
- **Full-Stack Development and Security Integration:** Led full-stack development efforts, encompassing UI development, feature functionalities, and backend integration, with a strong emphasis on maintaining rigorous security standards throughout the project.

Skills

Languages

Java, Python,
C++, Bash, Javascript
NodeJS,
Data Structure and
Algorithms

Build Deploy (CI/CD)

Jenkins, Build Service,
Github-
Action, TeamCity

Database

MySQL (self managed,
OCI ADB and AWS
RDS), MongoDB,
DynamoDB

PaaS

AWS, GCP, OCI, Docker,
K8s, EKS

Networking

VPC (VCN), Subnets,
SG,
ACL, Route Tables,
NAT Gateway, VPC
Peering.

Data Analytics

Spark

Infra as Code

Terraform, Ansible,
Cloudformation,
Puppet

Monitoring

Grafana, Kibana,
NewRelic,
Sentry, AWS
CloudWatch

Search

Elasticsearch,
Memcache, Redis
(Caching)

SCMS

Github, Gitlab

Secret

Management

Vault, SSM, OCI KMS,
AWS Secret
Manager, GCP KMS

Awards

SPOT Award'23, Oracle

Recognized with the OCI - SPOT Award'23 for outstanding performance and innovation in cloud security

Pega Cloud Splash Award'22, Pegasystems

Recipient of the Pega Cloud Splash Award for outstanding innovation and excellence in cloud-based solution development.