Kanav Sharma

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EDUCATION

Arizona State University   Tempe, AZ
Master of Science in Computer Software Engineering   December 2023

CERTIFICATIONS & PROFILE

AWS Certified Solutions Architect – Associate, AWS Certified Developer – Associate, Profile, Predix Certified Developer

EXPERIENCE   Austin, TX
Oracle   March 2024 – Present
Member of Technical Staff
- Automated OCI datacenter rack decommissioning by identifying candidates, assessing customer impact, and orchestrating migrations to newer hardware.
- Led SmartNIC upgrade automation across OCI compute hosts (OL7 → OL8), including region/AD/shape-based filtering, customer maintenance windows, and dynamic exclusion of critical customers.
- Designed and developed Capacity Estimator to evaluate capacity for new VMs or bare metal, assess legacy shape decommissioning, and plan SmartNIC upgrade campaigns.

Technology/Tools Used: Oracle DB, Oracle Cloud Services, Java, Python, Google Guice, REST APIs, JUnit, Mockito, Microservices, Bitbucket, IntelliJ, SQL, CICD.

Amazon   Seattle, WA
Software Development Engineer   August 2023 – November 2023
- Spearheaded cross-locale normalization project, ensuring accurate normalization for attributes like color (e.g., "grey" to "Gray") on the Amazon website, addressing 10% of missed normalizations.
- Implemented a caching mechanism managing 48k hits per sec. resulting in faster responses and reduced latency.
- Designed and coded normalization workflow for 2M+ product variants, boosting efficiency by 50% and reducing processing time by 20%. Provided detailed documentation for better team understanding and scalability.

Technology/Tools Used: Java, Google Guice, Google Guava, Apollo Mockito, AWS Athena, AWS Dynamo DB, AWS S3, Microservices, GitFarm, Agile methodology, IntelliJ, SQL, NLP (Language Detection), Pipeline.

Yahoo!   Mountain View, CA
Software Development Engineer   May 2023 – August 2023
- Developed an AMI sharing monitoring app, reducing issue detection and resolution time by 30%. Implemented Slack integration for immediate alerts, averting an estimated 20 hours of potential downtime monthly.
- Enhanced code quality through Pytest and Pylint, resulting in a 40% decrease in post-deployment bugs. Streamlined deployments with in-house screwdriver for CICD, achieving a 25% faster release cycle.

Technology/Tools Used: Python, AWS DynamoDB, GCP, AWS S3, AWS Event Bridge, AWS CloudFormation, SAM Lambda, Slack API, Data Structures, GitHub, Screwdriver (CICD), Pytest, Pylint, SQL, Agile methodology, Matplotlib, Visual Studio Code.

TATA Consultancy Services   Budapest, Hungary
Software Development Engineer   March 2013 – December 2021
- Developed outage simulation and analytics software for GE Power's gas and steam turbines: enabled optimal maintenance scheduling for cost reduction and maximum uptime.
- Created and deployed key services for Saudi Arabian Ministry of Health's online patient booking system, improving booking efficiency by 40% and appointment adherence by 25%.

Technology/Tools Used: Java, Agile Methodology, AWS, Microservices, Spring Boot, Maven, Docker, PostgreSQL, Oracle, RESTful APIs, React Native, Algorithms, GIT Versioning, GraphQL, Eclipse, STS.

LEADERSHIP AND OTHER ACTIVITIES

Arizona State University, *Kids Camp Counsellor – Tempe, AZ*   May 2022 – September 2022
- Prioritized kids' well-being, organized activities, fostered friendly environment.

TATA Consultancy Services*, Squash team captain – Budapest, Hungary*   January 2016 – December 2019
- Represented TCS for 3 years in Inter Corporate Squash tournaments, showcasing skill and dedication.