

SANKET SURENDRA KAPSE

Tempe, AZ | 602-388-5136 | sanket8397@gmail.com | linkedin.com/in/sanket-kapse | github.com/sanket8397

SUMMARY

Software Engineering graduate with 4 years of professional experience as a software developer in the banking domain. Seeking a software developer engineer position to contribute technical and collaborative skills for innovative solutions.

EDUCATION

Arizona State University <i>Master of Science - Software Engineering; GPA: 4.00</i>	Expected May 2024 AZ, United States
College of Engineering Pune <i>Bachelor of Technology - Information Technology; GPA: 3.96: Top 5%</i>	May 2018 Pune, India

RELEVANT COURSEWORK

Advanced Data Structures and Algorithms, Software Design, Foundation of Software Engineering, Software Testing, Data Visualization, Semantic Web Engineering, Web Systems and Technologies, DBMS, Data Mining

TECHNICAL SKILLS

Programming Languages: Python, Java, JavaScript, C/C++, SQL, HTML5, CSS3, R
Frameworks: Django, Flask, FastAPI, Spring Boot, Spring Cloud, Node.js, React, PyTest, JUnit, gRPC, REST API
Tools and Databases: MySQL, MongoDB, Docker, Kubernetes, Apache Kafka, RabbitMQ, Prometheus, Grafana, Qlik Sense, Power BI, Tableau, Three.js, Scikit-learn, Pandas, Selenium, Git, Jenkins, Jira
Cloud Platforms: Amazon Web Services, Google Cloud Platform

PROFESSIONAL EXPERIENCE

Deutsche Bank, Pune, India: Associate Software Developer (SDE2)	July 2018 – July 2022
<ul style="list-style-type: none">Strategized and delivered a Source Control tool for Qlik Sense using Django, React and PostgreSQL, leveraging agile methodologies and CI/CD practices to streamline development workflows and increase developer productivity by 20%.Orchestrated the migration of 20 QlikView projects to Qlik Sense, decreasing platform expenses by 25%.Spearheaded the development of a cost-effective Node.js service layer over Qlik stores, streamlining data flow to custom data visualizations. This eliminated the need for hundreds of Qlik integration licenses.Led a platform-wide initiative to optimize dashboard load times by implementing scheduled cache-warming across regions. This resulted in impressive reductions of up to 80% in dashboard load times, enhancing user experience for all users.Built a Python-based time-series regression model for a portfolio management dashboard. This model generates projections for user selections, enhancing dashboard interactivity and facilitating better prediction of share class ranking patterns.Automated Qlik Sense task failure notifications by developing an email-based alert system using Python and SMTP. This system generates email alerts with error logs, improving troubleshooting efficiency.Created custom, user-friendly Qlik Sense visualization extensions using JavaScript and D3.js, leveraging Qlik Sense APIs. This reduced reliance on third-party vendors and catered to specific business needs.Developed compliant dashboards and reports using Power BI, Tableau, QlikView, SQL, and NPrinting. This automated report generation process reduced manual effort by 2 hours per report, ensuring adherence to regulatory requirements.	

PROJECTS

Video to Audio Converter <i>Python, RabbitMQ, MongoDB, Docker, Kubernetes, MySQL</i>	February 2024 – March 2024
<ul style="list-style-type: none">Developed scalable microservices architecture, encompassing a Gateway service, Authentication service, Video-to-Audio Converter service, and Email Notification service for a distributed video processing system.Leveraged RabbitMQ for asynchronous communication between services and utilized MongoDB for persistent storage.	
E-Commerce Microservices Architecture <i>Spring Boot, Apache Kafka, KeyCloak</i>	February 2024 – March 2024
<ul style="list-style-type: none">Implemented advanced system design principles, such as API Gateway, Service Discovery, Distributed Tracing, Circuit Breaking, Monitoring, and Logging, to optimize scalability, reliability, and performance of an application.Ensured robust security measures by implementing OAuth2 authentication with KeyCloak and utilized Apache Kafka for efficient event-driven communication.	
Class Diagram Generator <i>Java, Swing, Design Patterns, Git</i>	October 2022 – December 2022
<ul style="list-style-type: none">Engineered a Java-based tool for automating the generation of class diagrams and code templates.Utilized MVC architecture, blackboard architecture, and various design patterns including Observer, Decorator, Factory, Strategy, Chain of Responsibility, and Singleton to ensure scalability and maintainability of the software system.	

WORK EXPERIENCE

Arizona State University, Tempe, AZ: Graduate Teaching Assistant	May 2023 – May 2024
<ul style="list-style-type: none">Managed two classes with a total of 100 students as TA for CSE 564: Software Design and CSE 360: Intro to Software Engineering, conducting weekly office hours, addressing queries, and enhancing learning experience.Provided support for testing and grading activities, ensuring the accuracy of grades for CSE 230, CSE 464, CSE 564.	

CERTIFICATIONS AND HONORS

- Completed Udemy certification: Ultimate AWS Certified Developer Associate 2024 NEW DVA-C02.
- Received 'Developing Applications with Google Cloud' Certificate from Jellyfish Training at Deutsche Bank.
- Won Employee Recognition Award for contributions to DWS team in April, 2022 and April, 2020.
- Achieved a 2nd position in the global Data Science Hackathon at Deutsche Bank.