Aakash Mishra

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Education

University of California, Santa Cruz   Sep 2021 - Mar 2023 (expected)
MS in Computer Science and Engineering
Courses: Computer Networks, Distributed Systems, Teaching assistant for Functional Programming Languages

University of Mumbai | K.J. Somaiya College of Engineering (KJSCE), India   Aug 2014 - May 2018
B.Tech. in Information Technology   ***GPA: 8.11/10.00***
Relevant courses: Data Structures, Analysis of Algorithms, Operating Systems, Database Systems

Skills

Proficient in: Java, Spring Boot, SQL, Rest APIs, Microservices, Git
Other: Red Hat OpenShift Container Platform, Docker, Kubernetes, Python, Django, Linux, PHP, JPA, Hibernate, Jenkins, Kibana, RAML, JUnit, Mockito, HTML, CSS
Areas and Interests: Software Engineering, DevOps, Distributed Systems and Cloud

Experience

Barclays Global Service Centre   Pune, IN
Software Developer   *Jul 2018 - Jul 2021*
- Developed and maintained 19 RESTful APIs for high-volume applications (150 TPM approx.) which are consumed across 4 channels in the bank. Used Multi-threading in Java to reduce APIs' response time
- Used Red Hat OpenShift Container Platform(v3) to on-board 20+ APIs and manage containers. Frequently deployed APIs to production environment and performed troubleshooting of containers as required
- Set-up the CI/CD pipeline using Jenkins, Docker and Red Hat OpenShift for an internal freelancing portal that reduced resource bandwith concerns in the bank. Additionally, wrote 25 API endpoints and designed the database schema
- Migrated an excel based customer journey evaluation process to a web application using microservice architecture which reduced cost by 5.8 UK FTEs
- Used monitoring tools like Kibana, Appdynamics and Wily to analyse 80+ production incidents and provided fix where applicable
- Used Junit and Mockito testing frameworks and maintained a code coverage of 90% and above for all APIs

WiseAtWork (formerly RetiredNotOut)   Hong Kong (Remote)
Product & Technology Specialist Intern   *Aug 2017 - Nov 2017*
- Added new features to a job portal web application like responsive web pages, third party login, hotkeys and internationalization

3 Minds Digital   Mumbai, IN
Web Development Intern   *May 2017 - July 2017*
- Enhanced security in a client's web application by implementing salt and hash technique to store sensitive data in MySQL
- Fixed 45 open defects in an existing application and developed new features like sending out mail notifications and OTP based login

Projects

SOAP Web Service to REST API migration
Barclays
- Automated the migration of SOAP Web Services to REST APIs by parsing WSDL files and translating it to a meaningful REST API design document along with a skeleton project with API endpoints
- Award winning solution at the Barclays India Hackathon 2020

Subjective Answer Evaluation [Paper Link]   *Aug 2017 - Apr 2018*
Natural Language Processing | Bachelor's Thesis
- Developed Subjective Answer Evaluation system using Django as the web application framework and NLP techniques to evaluate students' answers
- Used a combination of Latent Semantic Analysis and Information Gain with custom modifications which improved accuracy by 10% over native algorithms.

Recognition and Awards

- Shortlisted as one of the four finalists in the Unsung Hero Of The Year category at Barclays Technology Awards 2020
- Secured 2nd Runner-up position for "SOAP to REST migration" at Barclays India Hackathon 2020
- Secured first position for "Subjective Answer Evaluation" in Prakalpa 2018, a State Level Project Competition