

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, Rest APIs, Microservices, Git

Other: Python, Django, PHP, JPA, Hibernate, SQL, Docker, Kubernetes, Jenkins, Kibana, Linux, RedHat Openshift, RAML, JUnit, Mockito, HTML, CSS

Areas and Interests: Software Engineering, System Design, Distributed Systems

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
- Saved 5.8 FTEs by migrating a customer journey evaluation workflow from manual excel based assessment to a web-based application
- Automated the migration from SOAP Web Services to REST APIs by parsing WSDL files and generating RAML design document and a Spring Boot starter project thereby reducing efforts from 1 week to under 5 minutes
- 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

iContribute

Barclays

- Developed a company-wide portal that allowed cross-team collaboration and reduced resource bandwidth crunch in the bank. Gained over 1000 users within 3 months and extended the application to host internal Hackathons
- Wrote 25 API endpoints, designed the database schema and set-up the CICD pipeline using Docker, Jenkins and RedHat Openshift

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