PALLAVI CHANDRASHEKAR

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Summary

- Recent Graduate in Master's in Computer Science with **4 years** of experience in **Software development**.
- Experienced in developing Enterprise applications using **Java**, **MySQL**, **REACT JS, JavaScript**.
- Experienced in fixing bugs in services written in **Kotlin**, **Java**, **Python**, **Go**.
- Acquired great knowledge in data handling by working with a variety of databases like **MySQL**, **DynamoDB**, **MongoDB** database.
- Experienced in deploying different services to **AWS Kraken** cluster.
- Good hands on experience with framework like **Spring boot**, **Ktor**, **Selenium**.
- Developed a framework using **Java** and **Selenium** which reduced the QA team effort by **22**%.

Education

Master's in Computer Science	**Aug 2018 - May 2020**
Illinois Institute of Technology, Chicago	
Bachelor of Engineering in Computer Science and Engineering	**Aug 2011- Jun 2015**
Maharaja Institute of Technology, Mysore	

Technical Skills:

Programming Languages: Java, Kotlin, R, Python, C#.
Technologies Frameworks: Spring boot, Ktor, Junit, Selenium.
Database: MySQL, DynamoDB, MongoDB.
Special skills: Kubernetes, Service mesh, envoy, Apache Hive, Apache Spark, Pig, Amazon SQS, Amazon SNS, Kibana, New Relic, GraphQL, JIRA. Postman, Restful API, Intellji.
Machine learning Algorithms: TensorFlow, Keras, K-Fold cross-validation, Girvan Newman.
Web Server: Tomcat.

Professional Experience

SAP Concur
June 2020 – Present   **Chicago, USA**
Role   **:** Software Engineer
Environment: Kotlin, Java, go, Python, Kubernetes, Amazon SQS, Amazon SNS, Ktor, Spring boot, GitHub, GraphQL, Kibana.
Description:
My team has developed few payment related services and also responsible to maintain those services. I am working in services like approval- which is responsible to send an approval email to manager or approver whenever a user books a trip which is out of company policy, payment- service which is written in Java and responsible for payments after the user books a trip.
Responsibilities:
- Deployed the services to **AWS Kraken** clusters, which is a QA Cluster.
- Migrated services from tectonic clusters to AWS Kraken and Kraken Colo, which is production cluster.
- Fixed bugs in a service which is written in Kotlin, Java, languages, services also used AWS SQS to trigger email notification and Amazon SNS to monitor states.
- Created **Amazon Simple Queue Service (SQS)** which triggers email notifications based on the states of the service.
- Unit testing the codes before deployment of fixes.
- Extract data in XML files from different systems and load into Microsoft database.
- Developed an **Api** using **GraphQL** with Spring boot.
- Integrated the data visualization dashboard Kibana for logging.
- Version control of the code and configuration files are maintained by GitHub.

SAP Fieldglass - iXp Intern
June 2019 - May 2020   **Naperville, USA**
Role   **:** Software Engineer intern   August 2019 – May 2020
Environment: Java, Spring boot, servlets, Junit, Kubernetes, GitHub, Tomcat, JSP, CSS, JIRA

Description:
My team was responsible for creating new features and maintaining the features related to Timesheets.
Responsibilities:
- Developed web application using **JAVA, Spring boot, JSP, MySQL, Maven.**
- Written unit test cases using **Junit** to make sure the developed feature is working as expected.
- Created UI components using **REACT JS** which showed the required results of the API.
- Analyze the existing code and fix performance and maintenance issues.
- Use **HTML**, **CSS** and **JSP** to create web pages
- Use **Tomcat** server provided by clients to handle HTTP requests and responses.
- Used **JIRA** to keep track of bugs.
- Configured SQL queries to fetch data from oracle database.
- Version control of the code and configuration files are maintained by GitHub.

Role   **:** Automation QA intern   June 2019 – August 2019
Environment: Java, Selenium, RFT, Jenkins, GitHub.
Description:
My team was responsible to Automate all the test cases and make sure to execute all the test cases in each release.
Responsibilities:
- Fixed the test cases which were failing.
- Automated 1 end to end scenario.
- Executed test cases which was automated using RFT.
- Version control of the code and configuration files are maintained by GitHub.

SAP Labs India
August 2015 - July 2018   **Bengaluru, India**
Role   **:** Software Engineer
Environment: Java, JavaScript, servlets, jsp, Selenium, GitHub, Spring boot, HTML, JSON, Restful API

Responsibilities:
- Built models to study customer satisfaction of SAP CPI and deployed the models in **SAP Cloud foundry**.
- Used **Jenkins** tool to schedule the jobs, trigger the jobs when code commit happens, and used **Jenkins Pipeline** to trigger many scripts in one go.
- Automated a test case using selenium and java which covered approximately creating and validating different business case scenarios, which integrated two different systems to community with each other using SAP Cloud Platform Integration. This reduced the **22%** of team effort in testing all different scenarios.
- Implement business logic using Java Spring Boot framework
- Use HTML, Frames to create front end.
- Version control of the code and configuration files are maintained by GitHub.
- Worked on Restful web services to send the data using JSON objects.

Academic Projects:
- **Automatic Lens Smear Detection** using Python, Image Averaging, Adaptive threshold and Edge detection.
- **Movie Recommendation System** used Content based recommendation algorithm in Python. Used data from MovieLens.
- **Convolution neural network to identify the input image number is even or odd** used Keras to build model. Used MNIST dataset to train the classifer.
- **Satellite Image Retrieval** used Bing maps tile system that automatically downloads an aerial or satellite imagery of maximum resolution for a given latitude and longitude and compose one image of the exact bounding box region.

Awards:
- "**Star Performe**r" from SAP Labs India in August – 2016.
- "**Best innovative topic**" in Developer conference at SAP Fieldglass in September – 2019.