

Rama Krishna Raavi
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Java Developer
LinkedIn:



Summary:

Recent graduate with a master's degree in computer engineering focusing on advanced algorithms, cloud computing, and deep learning. Employed as a Software Development Engineer at Amazon. Prior technical experience at Vision Solutions. Proficiency in Python, Java, AWS, and web technologies.

Education:

Master of Engineering, Computer Engineering | March 2022 | GPA: 3.6/4.0

University of Missouri – Kansas City.

Bachelor of Technology, Mechanical Engineering | May 2018 | GPA: 9.4/10

Acharya Nagarjuna University, Andhra Pradesh, India

Technical Skills:

Programming Languages: Java, Python, PERL, C

Databases: SQL Server, MySQL, SQL++, Asterix DB, MongoDB, Cassandra.

Web Technologies: JavaScript, HTML, CSS, React.js, Node.js, Angular, Java Spring Boot, GIT, Docker

Cloud Technologies: AWS SQS, CloudWatch logs, AWS SNS, AWS Lambda, EC2, AWS IAM, OAuth 2.0, CloudFormation stacks, CDK, AWS DynamoDB

Software Tools: JIRA, Visual Studio, IntelliJ, MS Office

Build Automation tools: SBT, Maven, Gradle

Work Experience:

Amazon LLC, Seattle, Washington, USA

June 2022 – April 2023

Software Development Engineer

- Involved in various phases of Software Development Life Cycle (SDLC) of the application like Requirement gathering, Design, Analysis and Code development. Developed J2EE apps, performance testing, analysis, and tuning.
- Developed java modules implementing business rules and workflows using Spring MVC, IoC, Web Framework, Spring Boot.
- Implemented Spring Dependency Injection for a service using the **Type script** and also created a pipeline stack for the deployment of the service till Gama stage.
- Implemented modules using Core **Java APIs**, Java collection, **Java 8**(Streams), multi-threading and object-oriented designs. Worked with Complex SQL queries, Functions and Stored Procedures.
- Performed code reviews and provided guidelines for best practices of software management, Coding Standards and Code Commenting for better understandability.
- Used Spring Boot which is radically faster in building cloud Micro services and develop Spring based application with very less configuration. Solid understanding of Identity Lifecycle, SSO, authentication models, and security concepts
- Developed a **Lambda** package to process upstream events and call **DAO** layer to update the database. This Lambda is responsible for Dedupe the upstream events and filter them and push them to **SNS** and **DAO** Layer.
- Write Scope Scripts to handle multi-million rows and for daily loading data from COSMOS Server and scheduling the data load using DataGrid.
- Unit testing of developed product features using Junit and Mockito frameworks as part of development cycle.
- Used SOAP based Web services and RESTful Web services for transferring data between applications.
- Designed common model package for the upstream and downstream. Added **JSON** Conversion. Created **Mapper** Classes.
- Used **Jackson Annotations**, **Jackson dataformat Yaml** and **XML**.
- Created dashboards for monitoring anomaly detection, and also created one pager documentation for

automated CDK Pipeline.

- Utilized **CloudWatch** to collect and track metrics, log files, set alarms and created a script to project the performance dashboards.

Software Developer, Vision Solutions, Hyderabad, India - June 2018 - December 2020

- Involved in all phases of **Software Development Life Cycle (SDLC) process, analysis and design, development, testing and debugging.**
- Followed **Agile Methodology** for development in most of the individual projects and actively participated in the daily **SCRUM** meetings to produce quality deliverables within time.
- Involved in creating dynamic web site design and programming applications using Angular-JS, HTML, Bootstrap, CSS, and JavaScript.
- Utilized **JavaScript** on the server-side for data manipulation, processing, and transformation tasks to validate incoming data, perform calculations, generate reports.
- Worked on Java Enterprise Architectures and **Java (J2SE)** development and developed applications using **J2EE, Spring and Hibernate, SOAP Web Services.**
- Used **JDBC** to access **Oracle database** for accessing customer information.
- **SOAP** has been used as a protocol to communicate in the form of XML messages.
- Configured beans in spring configuration file with spring IOC, Spring Core, Spring AOP, and MVC for enhanced modules.
- Developed Hibernate XML files for the configured beans and used for data persistence in workflow screens.
- Worked with **Java Messaging Services (JMS)** for reliable and asynchronous communication. Store persistent JMS messages are sent using store-and-forward features.
- Employed in writing **SQL** commands and stored procedures to retrieve data from the **Oracle** database.
- Used **Angular-JS HTTP** to retrieve data through Web API from entity framework designed to workflow, system architecture, Drawing sequence diagrams, activity diagrams, HTML pages, database schema and tables.

Academic Project:

INTERFACE, Spring 2022

- Developed an online learning portal for students and faculty using the Spring framework.
- Designed and implemented an open, reliable forum for programmers to ask questions, which was built using Agile Software Development Methodology.
- Involved in all phases of software development life cycle (SDLC), including requirements gathering, design, development, testing, and deployment.
- Improved the performance of the application by optimizing the code and database queries, reducing the load time by 25%.
- Built a scalable and high-performance platform, capable of handling millions of users, with a focus on security, reliability, and scalability.

Certifications:

AWS Certified Developer Associate - September 2023

Achievements:

Amazon Peak Captain: Exemplified leadership by coordinating team activities and effectively communicating statuses across the organization, thereby enhancing team performance.

SICO Co-Ordinator, AN University: Earned election to the position of Coordinator, demonstrating organizational and leadership prowess by overseeing a host of technical events and initiatives.