Vishal Chaurasia

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WORK EXPERIENCE

Experian Costa Mesa, California
Software Developer Engineer I *Apr. 2023 – Present*
- Resolved bugs in a Spring Boot-based data pre-processing batch application, specifically focusing on report & output file generation & data inconsistency issues ensuring accuracy and reliability of generated reports.

Cummins Inc. Columbus, Indiana
Software Developer Engineer I *Feb. 2023 – Apr. 2023*
- Engineered a Batch Processing Application for data ingestion using Python to pull, pre-process, & write data based on business logic optimizing data handling & enhanced data integrity.
- Built AWS CloudFormation script for resource provisioning & application deployment, streamlining deployment process, enabling rapid scaling & infrastructure management.

Cummins Inc. Columbus, Indiana
Software Developer Engineer I – Intern *May. 2022 – Aug. 2022*
- Built an internal end-to-end web application with React, Node.js & DynamoDB, allowing seamless integration & payload validation, facilitating easy & real-time information sharing, cutting down dependency on teams by 30%.
- Developed internal web application with React, NodeJS, & DynamoDB for seamless integration, real-time information sharing, and reducing team dependency by 30%.

Mindtree Ltd. Bengaluru, India
Senior Engineer (Full Stack) *Feb. 2018 – Aug. 2021*
- Devised Low Code framework automating project setup & boilerplate code generation, decreasing development time by 20%.
- Spearheaded implementation of an end-to-end CI/CD flow, utilizing Terraform scripts for automated resource provisioning resulting in decreasing application deployment time & improved project delivery timeline by 10%.
- Explored and recommended frameworks/libraries based on client requirements. Created architecture designs and implemented an MVP using Java, Python, Angular 2+, and MongoDB, resulting in a robust and scalable solution.

SKILLS

Programming Languages: Python, Java, JavaScript, Typescript, HTML5

Frameworks: React, Angular 2+, NodeJS, Spring Boot, Express, Hibernate

Tools/Services: AWS CloudFormation, Jenkins, Docker, AWS Lambda, Git, Postman

Database: Dynamo DB, MongoDB, MySQL Server, PostgreSQL

PROJECTS

CP Sync Python, AWS Cloudwatch Events, AWS CloudFormation
Serverless Batch Application for Data Ingestion *Feb. 2023 - Apr. 2023(Cummins Inc.)*
- Designed & implemented a multi-threaded approach within the ECS task for efficient processing in a single invocation, cutting down overheads.
- Conducted comprehensive unit testing to ensure functionality and reliability, achieving a code coverage of 80%.

CDO API Management Portal React, NodeJS, AWS Lambda, AWS CloudFormation
An end-to-end API Management Platform. *May. 2022 - Aug. 2022(Cummins Inc.)*
- Led design & development of API Mapping feature using AWS CodeCommit SDK, reducing documentation efforts by 50%.
- Developed a Lambda function for cross-account operations on AWS, integrated token-based session management & Azure AD authentication streamlining integration, improved operational efficiency, and enhanced security.

EDUCATION

University at Buffalo, The State University of New York Buffalo, New York
Master's in Computer Science & Engineering *2021-2022*

Dr. A.P.J. Abdul Kalam Technical University Lucknow, India
Bachelor of Technology in Computer Science & Engineering *2013-2017*