Agastya Singh   Full-Stack Developer

Gurugram, Haryana, India

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TECHNICAL SKILLS:
- **Server Side & Backend -** Java, C#, Quarkus, Spring, JSP, Servlets, JDBC, MySQL
- **Frontend -** Angular, Typescript, HTML, CSS, JavaScript
- **DevOps -** Git, Linux, Docker, Kubernetes, AWS, Jenkins
- **Methodologies -** Agile, Scrum, RAD, SDLC

EXPERIENCE:
Junior Software Developer - CargoFlash, Gurugram | Feb 2024 – Present
- Development & Research on One Record API built in Quarkus (Java Framework), Maven, Swagger UI, Docker containerization for hosting purposes.
- CRUD website using Angular, JS, jQuery, HTML, CSS. Web APIs using ASP .NET Core, SQL through MySQL Server.

National Knowledge Network, NIC Delhi | Jun 2022 – Aug 2022 - Intern
- Implemented Server-Client model using Java, JSP, Servlets and JDBC through Eclipse IDE for authentication and frontend.
- Implemented SAML libraries in Server-Client Model.
- Learn technologies like SOAP, Rest and SAML 2.0

XEBIA, Gurugram | Jun 2023 – Aug 2023- Intern
- Built and Set-Up CI/CD pipelines for automating integration and deployment of application code.
- Effective integration of AWS Services to enable web hosting and IAM authentication.
- Created images of local code in Docker and posted it on individual repositories.

PROJECTS AND PUBLICATIONS:

Load Balancing Approach Using Binary Search - *SPRINGER* - *https://link.springer.com/chapter/10.1007/978-981-97-2550-2_20*

Quarkus API - *REST API*
Tech Stack: Quarkus(Framework) , Java, REST Api, JSON, GraphDB, Docker
- Project built on Quarkus Framework implemented in Java. Utilises GraphDB for database and storage, RDF4J libraries for formatting data from RDF Format to JSON for readability. Swagger-UI for API Interface
- Controllers built in Java which implements Data Structures and Quarkus-REST dependencies for creating API methods.

Café Website - *Backend and Server Side Development*
Tech Stack: Java, JSP, Servlets, JDBC, HTML, CSS, MySQL
- Front-end development using HTML,CSS and JSP for creating interactive and responsive user interfaces.
- Backend and Server-Side development using Java, Servlets and JDBC
- Database implementation through Mysql

Employee Dashboard - *Frontend and REST API*
Tech Stack: Angular, .Net Core, C# Typescript, HTML, CSS, JSON Server
- Front-end development using Typescript, HTML and CSS for creating interactive and responsive user interfaces.
- .NET Core, C# and JSON-Server for Rest API

2048-Game Deployment On AWS EKS - *DevOps and Cloud*
Tech Stack: AWS EKS, AWS CloudShell, Kubernetes, YAML
- Cluster Set-Up through AWS EKS and using IAM Roles for policies.
- Pods, Service creation and metadata of cluster through YAML file
- Service type as Load Balancer.

EDUCATION:
Manav Rachna University, Faridabad, Haryana, India   SEP 2020 - July 2024
Bachelor of Technology in Computer Science Engineering