DHARIKA KAPIL

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PROFESSIONAL EXPERIENCE

MarketAxess   New York, USA
Software Developer (Java, Angular, JavaScript, SQL, Gradle, Jenkins, Jfrog**)**   December 2022 - Present

- Achieved a **50% performance** improvement in the Trading system by implementing a **Single Threaded Thread Pool** using Executor Service**,** effectively replacing traditional multithreading, enhancing concurrency and parallel processing capabilities
- Upgraded legacy JMS technology to **Kafka** for data streaming, significantly **70% enhancing** data enrichment via Redis integration
- Led end-to-end integration of Oracle SQL Tables, facilitating **crud** functionality for **10k records** data through application endpoints, and delivered top-tier production support with rapid response times for issue resolution
- Boosted efficiency with **Spring Boot**, automating database comparisons, issuing email alerts resulted in **40% reduction** in manual work
- Enhanced microservices server connections (QA/DR/STG/PROD) using **Linux** with **MobaX**, improving testing and deployment efficiency

Instinet a Nomura Company   New York, USA
Full Stack Developer (ReactJs, Redux, AngularJs, HTML5, TypeScript, Javascript, CSS3)   July 2021 – December 2022

- Successfully enhanced application performance by implementing **React virtualization**, resulting in an impressive **60% boost** in rendering efficiency for screens managing extensive datasets exceeding 10,000 rows
- Efficiently handled **CRUD** operations for **20 screens** on Frontend and Backend, managing over 4000 rows of data with seamless precision
- Strategically implemented **URL navigation** for distinct pages within the Data Orchestration Platform, orchestrating direct access to specific sections. This orchestration resulted in a remarkable **50% improvement** in user experience and task execution efficiency
- Delivered 20% increase in user experience and a 30% reduction in errors by implementing form field validations across all grids to handle diverse data types effectively
- Improved performance by trimming javascript files loading while preserving secure **OAuth JWT**-based authentication and authorization

Instinet a Nomura Company   New York, USA
Web Developer Intern (ReactJs, AngularJs, HTML5, TypeScript, Javascript, CSS3, Bootstrap**)**   June 2020 – December 2020

- Streamlined grid orientation through the implementation of **React Hooks**, **Higher-Order Components (HOCs)**, and **Redux**, enhancing application efficiency and maintainability
- Enhanced the trading data orchestration application by introducing interactive hover-over effects at key data points and implementing a 'Download' button for extracting grid data in XML format, enhancing user experience and data accessibility
- Developed internal corporate website and authored reliable test cases with **Mocha, Chai, and Gherkin**, ensuring high-quality performance

Tata Consultancy Services, KeyBank   Maharashtra, India
Software Developer (ASP.Net, C#, OFSAA, SQL)   October 2017 - July 2019

- Utilized **MVC**, View Model, **Model Binding**, **OOP**, and Asynchronous Programming (**async/await**) to optimize applications with a 40% response time reduction
- Attained 99% data integrity and superior user experience with ASP.NET MVC, seamless CRUD operations, meticulous validations, and efficient Entity Framework integration

SKILLS

Programming Languages**:**	JavaScript, Java, C++, C#, ASP.Net, Python, Typescript, Knex.js, HTML, CSS, SQL
Frameworks:	ReactJS, NodeJS, AngularJS, KnexJS, Spring MVC, Jenkins, Jfrog, Git, REST, API
Databases:	Oracle, MySQL, PostgreSQL Microsoft Access, MongoDB (NoSQL)
Methodologies:	Agile (Scrum), Sprint Planning, Waterfall, Test-Driven Development (TDD)
Certificates:	Diploma ASP.NET, **AWS Cloud Practitioner**, **AWS Solution Architect**
Tools:	Bitbucket, MobaXterm, Checkmarx, Git, Visual Studio**,** JIRA, Gitlab, Github, Gitbash, Bitbucket, Confluence**,** IntelliJ**,** Eclipse**,** Team Foundation Server, Maven, Microservices, Postman, Ag-grid

EDUCTION

Stevens Institute of Technology   New Jersey, USA
Master of Science in Computer Science   May 2019 - May 2021
Banasthali University, Rajasthan, India   Rajasthan, India
Bachelor of Engineering in Electronics & Instrumentation   May 2013 - May 2017

PROJECTS

PayDay   November 2019 - December 2019

- **Full-Stack Development Expertise**: Demonstrated strong proficiency in web development by creating 'PayDay' from scratch using a tech stack that included Node.js, MongoDB, JSON, and CSS. Highlights a deep understanding of modern web technologies
- **Enhanced Payroll Efficiency**: Designed and implemented an efficient payment distribution system, which increased accuracy, reduced processing time, and minimized errors in small business payroll management
- **Effective Data Presentation**: Utilized graphs and pie charts to present project progress and budget utilization in a user-friendly manner. This demonstrated the capability to simplify complex data and support informed decision-making

Notes App   August 2023 - September 2023

- Built a feature-rich notes app on **AWS Serverless**, harnessing the power of **Lambda, API Gateway, DynamoDB, and Step Functions**
- Established a streamlined **CI/CD** pipeline with **SAM** and the **Serverless Framework** for efficient development and deployment