DHARIKA KAPIL

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EDUCTION

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

EXPERIENCE

MarketAxess   New York, NY, USA
Software Developer (Java, Angular, JavaScript, Spring Boot, SQL, Gradle, Jenkins, Jfrog)   December 2022 - Current

- 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**, significantly enhancing data enrichment via **Redis** integration.
- Led end-to-end integration of **SQL** Tables in **Oracle**, facilitating **CRUD** functionality for **5 screens** 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 on **real-time data**, and yielding better results.
- Enhanced microservices server connections (QA/DR/PROD) using **Linux** with **MobaX**, improving testing and deployment efficiency.

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

- Implemented **React virtualization** to optimize rendering and achieved a **60%** performance improvement for screens handling more than 10,000 rows of data.
- Efficiently handled **CRUD** operations for **20** screens on Frontend and Backend, managing over **4000** rows of data with seamless precision.
- 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 .js loading while preserving secure **OAuth JWT**-based **authentication** and **authorization**.

Instinet Incorporation a Nomura Company   New York, NY, 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.
- Demonstrated a comprehensive grasp of the disparities between **functional** components and **class** components.
- Developed internal corporate website and authored reliable test cases with **Mocha, Chai, and Gherkin**, ensuring high-quality performance.

Tata Consultancy Services, KeyBank   Pune, MH, 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
Databases:	Oracle, MySQL, PostgreSQL Microsoft Access, MongoDB (NoSQL)
Methodologies:	Agile (Scrum), Sprint Planning, Waterfall, Test-Driven Development (TDD)
Frameworks:	ReactJs, NodeJS, AngularJS, KnexJS, Spring Boot, Spring MVC, Jenkins, Jfrog, Git, REST, API
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

PROJECTS

Notes App   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.
- Demonstrated expertise in serverless best practices and architecture patterns,

DevOps   August 2023

- Developed a simple user-friendly Java form page and subsequently orchestrated a robust **DevOps CI/CD** pipeline using **Git, Jenkins, Ansible, Docker,** and **Kubernetes** on the AWS cloud platform.

AutoPay   December 2019

- Created Auto payroll website for small business using **Node.js**, **JavaScript**, **JSON**, **CSS** and **AJAX, MongoDB, Cross-Site Scripting**, **SQL Injections**.