

DHANESH KUMAR

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SKILLS

Languages: Java | Python | C++ | C# | SQL | JavaScript | TypeScript

Frameworks & Libraries: Spring Boot | Spring Security | Hibernate | Angular | React.js | jQuery | JQWidgets | Swing | AWT | Windows Forms | JasperReports

Databases: MySQL | MongoDB | SQL Server

Tools & IDEs: Git | GitHub | Bitbucket | IntelliJ IDEA | Eclipse | NetBeans | Visual Studio | VS Code | Android Studio | Postman | Jira | Microsoft Office

CI/CD & DevOps: Maven | Docker | Kubernetes

Core Skills: Object-Oriented Programming (OOP) | Problem Solving | Software Design | REST API Development

WORK EXPERIENCE

Matrix Systems Pvt Ltd.

March 2023 – Present

Software Engineer-II

Karachi, Pakistan

- Designed and delivered multiple fintech platforms from the ground up using React.js, Angular, and Spring Boot, driving digital transformation for wealth management clients.
- Major contributions include:
 - Transformed complex financial workflows into intuitive digital solutions, enabling wealth managers to generate proposals, simulate tax impacts, and optimize portfolios.
 - Implemented enterprise-grade security and user management by integrating Okta and Keycloak across backend and frontend applications.
 - Built highly interactive data visualizations (multi-level grids, charts, and dashboards) to simplify decision-making for large-scale financial datasets.
 - Enhanced reporting capabilities by integrating Jaspersoft, delivering real-time, data-driven insights to business stakeholders.
 - Improved system scalability and performance by engineering optimized backend APIs, custom state management, and modular architectures.
 - Promoted a culture of quality through code reviews, mentoring, and enforcing best practices, resulting in a stronger and more efficient engineering team.

PROJECTS

Advisor Sketch Book (ASB 2.0)

Jun 2023 – Jan 2025

- Developed from scratch using Angular and Spring Boot to empower wealth managers with personalized investment strategies.
- Built enterprise-grade features including custom state management, multi-level grids, charts, carousels, and dynamic tables.
- Integrated Keycloak for authentication/authorization and Jaspersoft for high-performance financial reporting.
- Delivered tax transition proposals and portfolio management capabilities, improving advisor efficiency.

Proposal Generation Tool (ProGT)

Dec 2024 – Present

- Designed and developed a fintech proposal generation platform with React.js and Spring Boot.
- Built REST API integrations with MARS to enable proposal optimization workflows.
- Implemented Okta-based enterprise authentication and secure backend integration.
- Developed complex UI/visualizations and integrated Jaspersoft for data-driven financial insights.
- Improved maintainability through code reviews and mentoring junior developers.

MARS – Managed Accounts Rebalancing System

Mar 2023 – Jun 2023

- Contributed to a portfolio rebalancing and optimization platform adopted by major global investment firms (Citigroup, Fidelity, Regent Atlantic).
- Developed backend modules with Spring Boot to optimize portfolio workflows for scalability and performance.
- Enabled seamless, high-volume financial transactions by building reliable and secure services.

EDUCATION

Institute of Business Administration, SIBAU

BSc. Computer Science - CGPA - 3.20/4.00

Feb 2019 – Dec 2022

Sukkur, Pakistan

- **Final Year Project:** Smart Piggy (Smart habits, happy rewards)
- Supervised by: Prof. Dr. Ghulam Mujtaba Shaikh
- Coursework: OOP, Data Structures, Database Systems, Software Engineering, Information Processing Technique, Prob. & Stats

HONORS AND AWARDS

Awarding and Guiding Students about Scholarships and Talent Programs (Sep'18 – Present): Taught and guided students in my village to secure admissions in top universities such as **IBA Karachi** through scholarship programs like the **National Talent Hunt Program (NTHP)**. To date, more than 10 students are studying in leading universities on scholarships, including 5 who earned fully funded scholarships at IBA.