

# DHANESH KUMAR

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## SKILLS

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**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

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**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

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**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

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**Institute of Business Administration, SIBAU**

**Feb 2019 – Dec 2022**

*BSc. Computer Science - CGPA - 3.20/4.00*

*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

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**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.