

# Farhan Hamid

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## EDUCATION

### National University of Sciences & Technology (NUST)

*Bachelors in Electrical Engineering*

Islamabad/Rawalpindi

Sep. 2019 – Jun. 2023

### APS&C

*Matriculation and Intermediate*

Malir Cantt Karachi

Aug. 2015 – May 2019

## EXPERIENCE

### Software Design Engineer (Fintech)

*Teresol Pvt. Ltd*

May 2024 – Present

*Islamabad*

- Led the migration of a legacy front-end from Java to Vue.js, improving maintainability and reducing code complexity by 30%, resulting in a 20% faster user experience.
- Pioneered the adoption of microfrontend module federation architecture within the company's banking systems, leveraging Vue.js to enhance scalability, modularity, and maintainability.
- Developed and deployed use cases across various banking modules, including TDR, Remittance, and Credit Management, ensuring seamless integration and high availability.
- Implemented Vue.js best practices, such as component-based architecture and reusable UI components, improving development efficiency by 35%.
- Optimized UI security and performance, meeting modern banking system standards and reducing load times by 15%.

### Junior Web Designer

*Kreativ Ally*

Jun. 2023 – Apr. 2024

*Islamabad*

- Revamped the functionality and aesthetics of 100+ German projects, increasing user engagement by 35% and boosting client retention.
- Managed multiple projects under tight deadlines, delivering 95% of assignments ahead of schedule without compromising quality.
- Partnered with senior designers and project managers to transform client requirements into intuitive, high-converting design solutions.
- Performed comprehensive UX/UI audits, identifying and resolving usability issues, leading to a 20% improvement in conversion rates.
- Developed responsive, cross-browser compatible web interfaces using cutting-edge front-end technologies, reducing load times by 30%.

## PROJECTS

### Core Banking - Bank Al-Habib | *Vue.js, Quarkus, Microservice, Module Federation*

May 2024 – Present

- \* Engineered a responsive front-end to support banking features, including TDR, Remittance, and Credit Management
- \* Expanded a scalable, microfrontend-based architecture using Vue.js, enhancing modularity and maintainability.
- \* Applied Vue.js best practices, including component-based architecture and reusable UI components, to create responsive user interfaces.
- \* Enforced microfrontend module federation, reducing host app bundle size by 40%, improving performance and scalability.

### Fire Rooster (FYP) | *TensorFlow / Keras / PyTorch/ CNN/ MERN*

Sep 2022 – Jun 2023

- Improved an AI-based smart system to detect and monitor potentially harmful fires using IP cameras.
- Applied advanced computer vision and machine learning algorithms to analyze real-time camera feeds.
- Integrated real-time fire detection alerts to notify authorities instantly, enhancing emergency response efficiency.
- Optimized system accuracy and responsiveness by fine-tuning image processing and anomaly detection techniques.

## TECHNICAL SKILLS

**Languages:** Java, JavaScript, HTML, CSS, SQL (MySQL, MongoDB)

**Frameworks:** React.js, Vue.js, Node.js, Express.js, Bootstrap

**Developer Tools:** Git, Webflow