



harisbaig7081@gmail.com 

<https://www.linkedin.com/in/im-haris8278> 

<https://github.com/im-Haris8278> 

<https://leetcode.com/u/im-Haris8278> 

Lahore, Pk, 54780 

# HARIS BAIG

Software Engineer

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## ABOUT ME

Software Engineer with 2+ years of experience, I excel in developing end-to-end systems and solving complex problems. My journey in software development has equipped me with strong skills in both frontend and backend technologies, including JavaScript, and Typescript using frameworks like, React, Node, Next, Nest, Express, and MongoDB. I have specialized in React Redux, TailwindCSS, Material-UI, AWS, and payment gateway integrations in Stripe and PayPal.

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## PROJECTS

### E-Learning

- Developed a comprehensive LMS system using TypeScript in Next.js and Node.js for backend and frontend development.
- Followed the waterfall methodology for project management.
- Integrated Google, and GitHub OAuth for authentication and implemented OTP for enhanced security.
- Employed Node Mailer for seamless communication to enhance security.
- Utilized Redux Query for API integration.
- Incorporated Redis for in-memory database operations.
- Implemented sockets for efficient communication.
- Utilized analytics methods for administration purposes.
- Implemented notification systems for both user and administration interfaces

### Shop-O

- Developed a multivendor application utilizing agile methodology for iterative development and rapid delivery.
- Under the supervision of a senior software engineer, I ensured adherence to best practices.
- Employed cutting-edge technologies such as Tailwind CSS, Redux Toolkit, and Material UI.
- Integrated secure and reliable payment gateways, including Stripe and PayPal.
- Implemented automated email functionalities using NodeMailer for seamless communication.
- Designed and built distinct, user-friendly front-end interfaces for buyers, sellers, and administrators, providing administrators with comprehensive control and management capabilities.
- Additionally, incorporated a chat feature for real-time communication.

### E-Commerce

- Developed a fully functional e-commerce app with Order Tracking, User Profiles, Admin Dashboard, payment integrations, user authentication, and email handling.
- Built using React for frontend, Redux for state management, Node.js and Express for backend, and MongoDB for database.
- Achieved complete app development within 1 month

## Struggle.io

- Successfully created a dynamic platform that bridges the gap between mentors and mentees, fostering meaningful mentorship relationships.
- Mentors can effectively guide mentees through structured tasks and personalized roadmaps, enhancing learning outcomes.
- Intuitive UI/UX design ensures seamless navigation and interaction for both mentors and mentees.
- Integrated chat functionality facilitates direct communication, promoting regular feedback and support.
- Built on modern technologies like React and Node.js, the platform supports scalability to accommodate future growth and feature enhancements.
- The project aims to empower individuals in their professional growth journeys by connecting them with experienced mentors within a user-friendly and supportive environment.

## Scale AI

- Worked as a competitive programmer at Scale AI, enhancing problem-solving skills.
- Tackled challenges on Codeforces using C++, SQL, Java, and JavaScript.
- Demonstrated proficiency in multiple programming languages.
- Applied a strong understanding of algorithms and data structures.
- Delivered efficient and optimized solutions to complex problems.

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## EDUCATION

### Bachelor of Science in Computer Science (BSCS)

Nov 2021 - Sep 2025

University of Education, Township Campus, Lahore.

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## SKILLS

- **Languages:** C++, JavaScript, TypeScript.
- **Frontend:** HTML, CSS, ReactJS, Next.js, Nest.js, Redux, Redux Toolkit, OAuth API Integrations.
- **Backend:** Node.js, Express.js, Sockets
- **Databases:** MongoDB, MySQL, PostgreSQL.
- **Payment Integration:** Stripe, PayPal
- **Cloud & DevOps:** AWS, Azure, Buckets-S3, AWS EC2, Docker, K8s

## ACHIEVEMENTS

- Leetcode 470+ Problems Solved in C++, Javascript and SQL.
- HackerRank Certified Problem Solver, Object Oriented Programming Specialization (University of London).