

# Khurram Nadir

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## Coding Creativity into Optimized Solutions

- **Expert Debugger:** Debugged projects , assignments & lab codes of more then 40 students improving class average by 40% during a span of a semester as a lab demonstrator at FAST National University of Computer and Emerging Sciences
- **Optimized Solutions:** Created optimized & effective software solutions for multiple clients such as library management systems, inventory management system, hotel reservation system, lesion detection system and more working as a Freelancer
- **Team Player:** Collaborated in multiple group projects utilizing and managing Git repositories ensuring conflict free merge while studying at FAST National University of Computer and Emerging Sciences

C++, Python, Java, Go lang  
MySQL, SQL Server, PostgreSql  
Back-end Frameworks: Gin, Flask  
RESTful API Development

Software Design & Analysis  
Software Testing & Debugging  
Software Development Lifecycle  
Data Analysis and Visualization

Software Optimization  
Agile Methodology  
Version Control: Git  
Object-Relational Mapping

## Work Experience

**Lab Demonstrator** - National University of Computer and Emerging Sciences Aug 2022 - Current

- Guiding and assisting students in applying theoretical knowledge to practical programming tasks, fostering a deeper comprehension of data structures concepts
- Swiftly diagnosing and rectifying issues in students' code during lab sessions, promoting a productive learning environment.
- Thoroughly evaluating and marking students' code for assigned lab tasks, offering constructive feedback to aid in their continuous improvement.

**Freelance Developer** Sept 2019 - Current

- Created software solutions like hotel reservations system, inventory management system, student enrollment system, classroom scheduling system, point of sale system in languages like C#, Python, Java
- Developed website with frontend in ReactJS and backend in Node JS and Golang Gin
- Provided Training to clients' staff on operation of software as well as created demonstration videos for future use
- Developed comprehensive documentation to facilitate seamless development by future developers.

**Chief Technologist** - Dollat Inc. Feb 2019 - August 2020

- Developed Web application which is core to the business model
- Maintained Documentation and Update Schedules ensuring updates reach users on time
- Collaborated with cross functional teams to deploy changes to the application that correspond with the business model
- Coordinated with external companies to integrate APIs such as payment method & business analytics

## Education

**BSc, Computer Science** - National University of Computer and Emerging Sciences June 2025

- **Courses:** Computer Networking, Object Oriented Programming, Data Structures, Design & Analysis of Algorithms, Software Design & Analysis, Database Systems, Operating Systems, Theory of Automata, Technical & Business Writing.

**Diploma, International Baccalaureate Diploma Program** - Beaconhouse College Campus June 2021

- **Courses:** English Literature [First Language], French AB Initio [Second Language], Computer Science, Physics, Business Management, Math Analysis and Applications

# Cover Email

To whom it may concern,

I am writing to express my interest in the Software Engineer position at your company. My experience with developing full-stack applications and writing quality automated tests, would make a great fit for this role.

- In my current role as a Lab Demonstrator, I worked closely with students to understand requirements, build solutions to programming challenges, and write tests to validate their code is functioning properly. Through this work, I have strengthened my skills in collaborating with others to build innovative software.
- Previously as a Freelance Developer, I delivered full-stack web applications for clients from diverse industries. For each project, I followed Agile methodologies like test-driven development to ensure code quality and continuity.

The job description on LinkedIn emphasized skills like integrating front-end code with back-end logic as well as troubleshooting applications. I have built Multi-Page Applications connecting React and Golang, as well as optimized database-driven applications helping my clients achieve their business goals and I believe that I will be able to offer the same to your company.

Thank you for your consideration.