# Muhammad Junaid Zafar
## Software Engineer

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I'm an experienced Software Engineer with 3 years of building and maintaining high-performance applications. Proven track record in solving complex problems, collaborating across teams, and delivering scalable, reliable solutions. Backed by a B.S. in Computer Science, I bring a strong foundation in software architecture and a commitment to continuous learning. Passionate about adopting new technologies to drive innovation, improve system performance, and ensure code quality.

## EDUCATION

### BS Computer Science
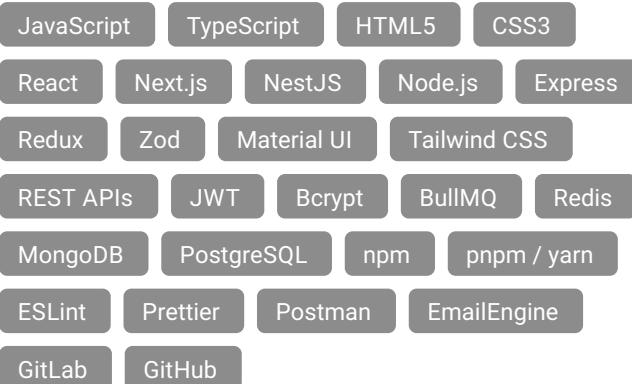University of Central Punjab, Lahore

*06/2017 - 06/2021*                    *3.53*

*Courses*

- Object Oriented Programming
- Database Systems
- Operating Systems
- Mobile Application Development
- Data Structures and Algorithms
- Software Engineering
- Web Technologies
- Computer Networks

## WORK EXPERIENCE

### Software Engineer
Amrood Labs

*06/2023 - Present*                    *Lahore, Pakistan*

*Proven technical expertise, hands-on industry experience, and a passion for delivering high-quality, scalable solutions.*

*Achievements/Tasks*

- Developed and maintained scalable web applications using React, Next.js, and Node.js , with backend services built on NestJS and Express
- Optimized API performance by implementing Redis caching and BullMQ job queues , improving system throughput and reducing response times
- Built secure authentication systems using JWT and Bcrypt , ensuring robust user data protection
- Integrated modern UI libraries such as Material UI and Tailwind CSS to build responsive and user-friendly frontends
- Designed and implemented REST APIs , connecting frontend interfaces with databases like MongoDB and PostgreSQL
- Set up and maintained CI/CD pipelines with GitHub/GitLab , improving code quality through automated testing and deployment
- Led code reviews and enforced best practices using ESLint and Prettier to ensure clean, maintainable codebases
- Enhanced developer productivity by managing packages with npm , pnpm , and yarn , and leveraging tools like Postman and EmailEngine for testing and integration

## LANGUAGES

English
*Full Professional Proficiency*

Urdu
*Native or Bilingual Proficiency*

## SKILLS

JavaScript · TypeScript · HTML5 · CSS3 · React · Next.js · NestJS · Node.js · Express · Redux · Zod · Material UI · Tailwind CSS · REST APIs · JWT · Bcrypt · BullMQ · Redis · MongoDB · PostgreSQL · npm · pnpm / yarn · ESLint · Prettier · Postman · EmailEngine · GitLab · GitHub

## PROFESSIONAL PROJECTS

### Success.ai (11/2023 - Present)

- Developed and maintained core modules including Campaigns , Leads , Email Warmups , InboxHub , Workspaces , Accounts , and Enterprise dashboards , delivering a robust user experience across all major platform features
- Engineered scalable backend services with NestJS and Redis to support high-volume email processing, warm-up automation, and lead engagement tracking
- Designed and implemented dynamic UIs using React.js , TypeScript, and Tailwind CSS , ensuring responsive, maintainable, and accessible interfaces
- Built and optimized RESTful APIs enabling seamless communication between frontend and backend, especially across multi-tenant features like LeadFinder , Billing , and Analytics
- Integrated and extended EmailEngine to support advanced email routing, reply tracking, and inbox monitoring workflows
- Implemented website visitor tracking functionality to capture, segment, and analyze user behavior across client websites
- Led the development of custom integration layers with 3rd-party tools and internal microservices to support enterprise features and white-label deployments
- Collaborated cross-functionally with product, design, and QA teams to shape requirements, run sprints, and ensure quality delivery

### Exacto (06/2023 - 10/2023)

- Developed a responsive web application using Next.js , TypeScript, and Tailwind CSS , delivering a fast and modern user interface
- Dockerized the application for enhanced portability, scalability, and streamlined deployment across environments
- Collaborated cross-functionally with designers, backend engineers, and stakeholders to deliver features aligned with project goals and deadlines
- Ensured a consistent user experience across devices by implementing responsive design principles
- Proactively debugged and resolved issues, maintaining application performance and stability throughout the project lifecycle
- Gained hands-on expertise in Next.js , TypeScript , Tailwind CSS , Docker , and modern frontend tooling