

# Muhammad Kumail

## Software Engineer

Greater Chicago Area, IN  
(219) 433-9137 | [LinkedIn](#) | [Github](#)

[muhammadrkumail.com](http://muhammadrkumail.com)

[mkumailofficial@gmail.com](mailto:mkumailofficial@gmail.com)

## SUMMARY

---

Software Engineer with 3+ years of experience in JavaScript/TypeScript, AWS, Node.js, PHP, and full-stack development, specializing in frontend and backend programming, web design, and developing APIs. Proven expertise in designing frontend interfaces, developing scalable web applications, and implementing modern web architecture. Adept at project management and leading engineering teams to deliver high-quality solutions. Currently pursuing a master's in Computer Science at Purdue University (top 1% of the class), merging academic excellence with industry practices.

## WORK EXPERIENCE

---

### **Purdue University, Indiana** – Web Developer

*Jan 2024 – present*

- Developed and deployed React-based and WordPress web applications, delivering projects ahead of schedule, resulting 20% increase in efficiency for the department.
- Enhanced UI/UX through strategic frontend web design, improving site usability and increasing user engagement by 30%.
- Integrated 3D models using Three.js, Unity, and WebGL, adding interactive and dynamic elements to web architecture.
- Led frontend redesign initiatives, resulting in a 40% increase in user satisfaction scores.
- Collaborated in project management tasks, ensuring project milestones were met efficiently.

### **Devsinc, Islamabad** – Senior Software Engineer

*Apr 2022 – Dec 2023*

- Led a team of 6 engineers, managing backend programming and frontend design tasks, driving project execution, and generating more than \$600K worth of client sales within two years.
- Engineered full-stack systems using MERN, NestJS, and various JavaScript frameworks, focusing on dockerized scalable microservices and robust web applications increasing system reliability to 99%.
- Integrated real-time ML pipelines on GCP, reducing response times by 60% for corporate users and enhancing backend performance.
- Optimized Node.js and API performance, improving processing speed by 120% for large-scale data ingestion.
- Collaborated with QA teams, ensuring 90% test coverage across 100,000+ lines of code and improving code quality.
- Recognized for problem-solving skills and effective verbal communication with stakeholders.

### **Upwork, Remote** – Top-Rated Full-Stack Engineer

*Mar 2021 – Mar 2022*

- Developed dynamic, scalable web solutions for global clients in MERN and AWS, achieved recognition of being among top 10% talent on Upwork with 100% job success rate.
- Discovered and resolved major bugs, steering 21 clients toward successful product pivots.
- Designed customizable websites using HeadlessCMS, Strapi, PHP, and Next.js for European clients, optimizing SEO and web performance by 40%.
- Improved website architecture, raising Lighthouse scores from 10% to 90%, resulting in better UX.
- Designed custom CRM systems to enable automated interaction, increasing client sales to 200%.

### **Quantaleap, Netherlands** – SML Intern

*June 2021 – Aug 2021*

- Developed workflow triggers using the React ecosystem for a multicloud environment, enhancing web design efficiency by 20%.
- Conducted fit-gap analysis and implemented cost-effective web architecture solutions, saving 4 months of development time.
- Built CI/CD pipelines with GitHub Actions, reducing deployment time by 50% and improving project management workflows.

## EDUCATION

---

### Purdue University

Master's in Computer Science – 4.0/4.0

Hammond, Indiana

January 2024 - present

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

Bachelor's in Computer Science – 3.5/4.0

Islamabad, Pakistan

September 2018 - August 2022

## SKILLS & SPECIALITIES

---

**Programming Languages:** Javascript, Typescript, Python, Java

**Databases:** MySQL, Postgres, MongoDB, Cosmodb, Dynamodb, Redis

**Cloud Technologies:** **AWS:** EC2, Lightsail, Lambda, Amplify, App Sync, VPC, SES, SNS, SQS, Chime; **Azure:** App service, DevOps, Static Apps; **GCP:** VM, App Engine, Cloud Proxy, Colab; Heroku; Netlify; Linode; Render.

**Frameworks / Tools:** ReactJs, NextJs, Express, NestJs, AWS Amplify, GraphQL, HTML, CSS, TailwindCSS, Bootstrap, Material UI, CoreUI, React Native, Redux, Redux Toolkit, Strapi, HeadlessCMS, NodeJS, PHP, Rest API, Git, GitHub, Gitlab, Bitbucket, Jira, Slack Automation, ScematicUI, AmplifyUI, CNN, Dense Layer, Mobinet, PyTorch, Tensorflow, Docker, Kubernetes, *Web scrapping:* Puppeteer, Cheerio, Testing: Jest, Enzyme, Mocha, Supertest, Cypress, Detox, Auth: Cognito, Okta, Auth0

**Soft Skills:** Leadership, Communication, Problem-Solving

**Certifications & Training:** 13x Qwiklabs certified in advanced Machine learning, Data Science, BigQuery techniques; AWS training certified in DynamoDB, Serverless, ECS, ML; Performance Assessment at UNICEF

**Languages:** Fluent in English and Urdu.

## PROJECTS

---

**Prepinn** – Developed an LMS using Next.js, React, Node.js, and MongoDB to educate underprivileged individuals nationwide.

**Tstreet.io** – Created translation technology for documents, websites, and signs in 100+ languages using AI and human translators.

**MailPredictor** – Built a MERN stack application that predicts email placement across various services, including Gmail, Outlook, AOL, and Yahoo, enhancing backend programming and API integration.

**OneAuctionView** – Automated car auction data scrapping, improving efficiency by 80%. The code architecture was migrated from JavaScript to TypeScript, with the introduction of NestJS to ensure more reliable coding.

**Paybae.io** – Built a blockchain fintech product for crypto payments with a multi-layered architecture and decentralized authentication using Next.js and React Native, and AWS.