# KHURRAM SHAFIQUE

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## Summary

Experienced Full Stack Developer with 5+ years of expertise in building scalable, high-performance web applications using modern technologies such as React, Next.js, Laravel, and Django. Proven track record in developing enterprise-grade logistics platforms on AWS, leveraging Docker containerization and CI/CD pipelines to drive operational efficiency. Adept at designing intuitive user interfaces, integrating robust RESTful APIs, and leading cross-functional teams in both in-office and remote environments. Recognized for reducing delivery exceptions by 35% and increasing dispatcher efficiency by 40%, I excel at bridging technology and business needs to deliver agile, innovative solutions.

## Skills

- **Programming & Scripting:**

  JavaScript (ES6+), Python, HTML5, CSS3

- **Front-End Development:**

  React.js, Next.js, Angular, Responsive Design, SEO Best Practices, State Management (Redux)

- **Back-End Development:**

  Node.js/Express, Laravel, Django, RESTful API Development, Microservices Architecture

- **Database Management:**

  MySQL, PostgreSQL, MongoDB, Firebase, Database Design

- **DevOps & Cloud:**

  AWS (EC2, S3, RDS, etc.), Docker, CI/CD & Deployment Pipelines, Source Control (Git), Version Control

- **Testing & Quality Assurance:**

  Testing Frameworks (Jest, Mocha, Jasmine, Karma)

- **Security & Best Practices:**

  Security Best Practices, DevOps Practices

## Experience

**Full Stack Developer | ShipCES – Nashville, TN | 2022–Present**

- Develop and maintain advanced logistics platforms "Starboard" and "Cosmos" by delivering end-to-end solutions—from a React.js/Ant Design frontend to a Laravel/SQL and Node.js backend.

- Collaborate with cross-functional teams (backend developers, business analysts, QA) to design intuitive UI/UX and integrate new features that optimize freight operations across North America.
- Key Achievements:
  - Engineered a real-time tracking integration that reduced delivery exceptions by 35%.
  - Implemented a microservices architecture to enhance system reliability and scalability.
  - Developed a load bidding system that increased dispatcher efficiency by 40%.
  - Led the migration from legacy on-premises systems to a modern AWS Docker-based cloud infrastructure.

**Java Developer Intern | University of Michigan – Ann Arbor, MI | 08/2023 – 10/2023**

- Analyzed user needs and software requirements to assess design feasibility.
- Configured nodes on private networks according to best practices for security, scalability, and performance.
- Investigated blockchain use cases to add value to organizational operations.
- Collaborated with cross-functional teams to design, develop, and implement distributed ledger solutions.

**Java Developer Intern | University of Michigan – Ann Arbor, MI | 08/2022 – 10/2022**

- Analyzed user stories, identified tasks, and estimated time frames to track project progress effectively.
- Documented testing methods, results, and subsequent system corrections.
- Built RESTful APIs using the Spring Boot framework to facilitate data transfer between frontend and backend services.
- Assisted in blockchain research projects using Java.

**Team Lead Manager | Hanergy Holding Group – Islamabad, Pakistan | 03/2014 – 09/2015**
- Led the development of a software solution for a Mega Solar Park project to track electricity generation and reconcile data with NAPRA and the national grid.
- Managed a $122 million project for installing a 100 MW solar power plant in Bahawalpur, Punjab, ensuring timely and efficient execution.
- Directed administrative and marketing initiatives, promoting the company's clean energy solutions.

## Education and Training

**University of Michigan, Flint, MI**

Bachelor of Science in Computer Information Systems

December 2022

- Focus: Enterprise application architecture and data management.
- Key Coursework: Software Architecture, Database Design, Project Management

**Lansing Community College, Lansing, MI**

Associate of Science in General Studies

July 2017

- Focus: Business administration, computer science, and technical communication.
- Key Coursework: Programming Fundamentals, Business Administration, Technical Writing

**Peshawar University, Pakistan**

Bachelor of Arts in Commerce

December 1998

- Focus: Finance and management principles.
- Key Coursework: Business Strategy, Financial Analysis, Management

# Projects & Portfolios

- **Starboard & Cosmos – Enterprise Logistics Platforms (CES)**:
  Led development of web-based logistics platforms for expedited freight operations, handling thousands of shipments daily. Built a modern React.js frontend (using Ant Design) with a scalable Node.js/Laravel backend on AWS and Docker. Key features include real-time load tracking, automated dispatch systems, and an online load bidding marketplace integrating major carrier networks.

- **Currently Working Project – Noor Steps:**
  Designed and implemented an interactive web application aimed at helping children learn the Quran. The platform displays all 114 chapters with full Arabic text, multiple translations, and audio recitations. Engineered a robust RESTful API backend for efficient content delivery and developed user-centric features like rapid chapter navigation, seamless translation toggling, audio playback, and personalized bookmarking.

- **The Holy Quran – Interactive Web Application:**
  Developed a full-stack Quran reader web app that displays all 114 chapters with complete Arabic text, multiple translations, and audio recitations. Implemented a robust RESTful API to serve verses and metadata. Features include quick chapter/verse navigation, translation toggling, audio playback, and bookmarking for later reference.

- **Off-Road Adventure – 3D Racing Game:**
  Created a 3D racing game in Unity using C#, featuring dynamic terrain generation, checkpoint systems, and realistic vehicle physics. Integrated on-screen navigation cues and time-based challenges to provide an immersive, responsive gameplay experience via Unity's WebGL platform.

- **Yaqeen Welfare Foundation – Non-Profit Website:**
  Built a comprehensive website for a non-profit organization in rural Pakistan using WordPress (PHP, JavaScript). Developed custom plugins for secure online donations, newsletter sign-ups, and article management, ensuring scalability and ease of updates.

- **Online Multiplayer Ludo – Web Game:**
  Developed a real-time multiplayer Ludo board game using React.js and Socket.IO. Features include in-game chat, spectator mode, and smooth game-state synchronization for up to four players.

- **KNZS Cloud – Personal Cloud Platform:**
  Designed a custom hosting and container management solution using Docker containers and Nginx as a reverse proxy. This self-hosted platform streamlines web application deployments, showcasing proficiency in DevOps and cloud infrastructure management.

# Certifications

- **Meta React.js Developer Certification – Meta (Facebook), 2023 (Active)**
  Advanced training in React development, focusing on optimized component architecture and performance tuning.
- **AWS Certified Cloud Practitioner – Amazon Web Services, 2022 (Active)**
  Demonstrates core AWS services expertise, cloud architecture fundamentals, and security best practices.
- **Docker & Containerization Certification – Docker, Inc., 2021 (Active)**
  Professional training in containerization concepts and best practices for deploying and orchestrating containerized applications.
- **Currently Learning: Machine Learning & AI Implementation**
  Exploring practical AI and machine learning applications to integrate intelligent solutions into business software.

# Languages

- English: Fluent (Professional working proficiency)
- Urdu: Native or Bilingual proficiency
- Punjabi: Conversational proficiency
- Hindi: Conversational proficiency