MUHAMMAD ARSLAN TOOR

Senior Software Engineer | Portfolio

✉ Muhammad.arslan.software@gmail.com   ☎ +92 306 622 5182   in Linkedin Profile

Analytical and detail-oriented Full Stack software Engineer with over 5+ years of hands-on experience across various domains including CRM, Retail, iot, AI, Automobile, crypto Argillitic\trading\forecasting and Healthcare.

Work environment: Open to both full-time and contract-based positions.
Time Zone: Flexible and available to work across all time zones to meet global business needs.

WORK EXPERIENCE

Sr. Full stack Developer & Team Lead   May 2023 - Present

KAMlink | Health care CMS/CRM system • California, US (Remote)

- Lead the design and development of robust, scalable web applications using React.js, Redux, and Next.js.
- Own the front-end development lifecycle, implementing innovative solutions to complex challenges.
- Designed and implemented microservices architecture, improving system flexibility and ease of maintenance.
- Collaborate with cross-functional teams, including UI/UX designers, ensuring seamless design integration.
- Conduct comprehensive code reviews, providing constructive feedback and driving technical excellence.
- Identify and resolve performance bottlenecks, implementing optimizations to enhance user experience.
- Stay abreast of industry trends and emerging technologies, applying new methodologies to projects.
- Develop comprehensive test suites using Jest, React Testing Library, and Playwright, ensuring application reliability, stability, and scalability.

Tech Stacks: Node Express Sequalize ORM, React JS/TS, GSAP, Three.js, MUI, Tailwind, Node JS, PostgreSQL, GitHub, CICD Pipeline, Stripe, Socket.io, react testing library

Software Engineer   Apr 2022 - Mar 2023

Odyssey Solution | AI, ML, Data Science & Trading Software • Lahore (on site)

- Develop, write, modify, integrate, and test Web site related code and Web application interfaces
- Monitor and maintain website functionality (performance, security, backups, disaster & recovery)
- Increased customer satisfaction to 85% by creating databases utilizing
- Engineered a modular and reusable front-end development architecture
- Develop a web app to enable user to design own custom dashboard by drag-and-drop functionality and load custom data & enable app to connect with multiple data source third party API's
- Architected and developed a real-time trading dashboard Implemented WebSocket's to enable real-time communication and enhance user interaction

Tech Stacks: ReactJS, NEXT JS, Docker, Jenkins HTML5, CSS3, Bootstrap5, JavaScript, Python Fast API (REST API), jQuery, MySQL, GraphQL, Amazon web services (EC2 instance, S3 Bucket, SQS, Lamda functions), bitbucket

Software Engineer   Jan 2021 - Mar 2022

Aitomation | Business & Process Automation • Lahore, Pakistan

- Developed and maintained front-end & backend
- Reduced help desk tickets by 80% and recovering at least 35% of profits annually by developing a value - stream map of project delivery lifecycle and
- analyzing the delays of delivering a function to customer
- Debug existing source code and polish feature sets and quickly produce well-organized, optimized, and documented source code.
- Designed and implemented comprehensive test cases using BDD, contributing to a 60% reduction in defects.

Tech Stacks: Python, Python Django framework, React JS, Bootstrap, JavaScript, jQuery, MySQL, Realtime Socket.io

GitLab, Managed domain seamless integration and deployment, Karate Framework

Software Engineer (Python, PHP, JavaScript)   **Aug 2019 - Nov 2021**
Coeus Solutions GmbH | Software development agency • Lahore (on site)
- Building backend architecture and database design
- Project configuration with Docker
- Operating system handling (Linux, ubuntu)
- Developing REST API & Consumption of API into frontend
- Unit tests using PHP Unit, increasing test coverage to 90% and ensuring comprehensive testing of user interactions within the Symfony framework
- Symfony's coding conventions and PSR standards

Tech Stacks: Node (express), PHP symfony framework, UNIX OS, HTML3, CSS3, Bootstrap4, JavaScript, jQuery, MySQL, Firebase, Amazon web services (EC2 instance, S3 Bucket, SQS, Lamda functions), GitHub

PROJECTS

KAMlink®, LLC | https://kamlink.com
- Designed and developed KAMlink from concept to a fully functional end-user product, revolutionizing the US healthcare industry by addressing critical business inefficiencies and driving growth. Our integration of AI in KAMlink enhances key account management capabilities, ensuring seamless operational efficiency and providing strategic advantages to healthcare providers.

Advanced Agrilytics LLC | https://advancedagrilytics.com
- Advanced Agrilytics LLC specializes in agricultural analytics, providing cutting-edge solutions to optimize farming practices. Our collaboration with Advanced Argillitic LLC focused on implementing advanced analytics and technology solutions to improve crop yields, operational efficiency, and sustainable farming practices

Dagger Talen Energy | https://www.talenenergy.com
- Developed the customizable dashboard platform empowers users (traders, and businesses) to design personalized layouts, integrate various widgets and charts. It provides real time forecasting of live data from powerplants.
- Offer accuracy, ease & usability for conducting time series forecasting on the go

Creative Repute®, LLC | https://creativerepute.com
- Creative Repute®, LLC is an award-winning graphic design and website development agency. We provide development services to Creative Repute®, collaborating closely with CEO Nile Livingston and their clients. We actively participate in project planning meetings, bridging data with creative thinking to deliver innovative solutions that elevate brand presence and achieve client objectives.

TECHNICAL SKILLS

Backend & Programming:
- Node.js, Express, NEST JS, Sequelize
- Python, Django, Django rest framework ,Python FAST API, (NumPy panda, Chenal, SciPy)
- MySQL, Firebase, GraphQL, MongoDB, PostgreSQL

Frameworks and Libraries:
- Next JS/TS, React (Redux, Redux toolkit, React-query, TypeScript, React drag and drop), jQuery
- Bootstrape5, MUI (Material UI), Tailwind, HTML5, Css3, JavaScript, ajax. WordPress
- GSAP, Three.js
- Jest , React Testing Library, automated testing, integration test, test suits, playwright, KAR

Software Solutions:

- Developed responsive design and scalable frontend solutions using React.js and Material-UI, integrating with backend APIs to deliver robust applications.
- Led UI/UX improvements that enhanced user engagement and reduced bounce rates by 20%.
- Implemented performance optimizations resulting in a 30% decrease in load times, improving overall user experience.
- Collaborated with cross-functional teams to deliver solutions aligned with business objectives and user needs.

Cloud Services:
- GCL, AWS, git Actions, CI/CD Pipeline.

APIs and Integrations:
- OAuth 2.0, Third-party APIs (HubSpot, Clever, Hotjar, Google Cloud, Social login integration)
- Securely integrate top payment gateways (PayPal, google pay, 2checkout, authorized.net, stripe)
- Banking API (plaid, Dwolla, stripe ach, wire transfer)
- Successfully integrate and launch the feature of Stripe card reader (BBPOS Wise PÒS E, wise pose s700 & m2 card reader)
- Tap-to-pay offline online payments (PayPal, google, stripe)

EDUCATION

BS-Computer Science
2015-2019
University of Gujrat • Gujrat, Pakistan

AWARDS & CERTIFICATION

Modern React with redux • **Udemy**

Advance React & Nodejs Certification • **Coursera**

Problem Solver Certification • **Hacker rank**

- Certified in solving complex challenges with strategic & analytical approaches. Optimizes solutions through innovative methodologies.

Winning Programming Competition Award • **Hackathon**

- Led my team to victory at a competitive hackathon, developing a highly efficient text editor functionality. The solution addressed the challenge of slow and clunky collaboration features in existing text editors, enabling seamless document editing and simultaneous work by multiple users.