KYLE ROSE

Maryville, TN 37804

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LinkedIn: linkedin.com/in/kylexrose

Portfolio: kylexrose.com

Detail-Oriented • Excellent Communicator • Previous TS/SCI Security Clearance

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Education

- **Bachelor of Arts (B.A.) in Psychology**
  Oral Roberts University – Tulsa, OK | 2018
- **Associate of Arts (A.A) in Pashto Language**
  Defense Language Institute Foreign Language Center – CA | 2014

Experience

Lead Full-Stack Developer – B-Roll Bank Application

Freelance | Remote | July 2023 – Present

- Architect and develop a full-stack web application using the MERN stack, enabling production companies to efficiently manage, tag, and search large volumes of video assets.
- Design and implement scalable backend services with Node.js, Express, and MongoDB to support complex media metadata, file tracking, and user role management.
- Build an intuitive frontend interface with React and Material UI, focusing on responsive design, advanced filtering, and media preview capabilities.
- Integrate FFmpeg and GPU-accelerated workflows to streamline video processing, compression, and thumbnail generation.
- Coordinate with stakeholders to define feature requirements, manage timelines, and deliver regular updates aligned with client goals and user feedback.

Coding Instructor - MERN Stack

Persevere | Remote | July 2023 – Present

- Instruct students in the MERN (MongoDB, Express.js, React, Node.js) stack, imparting practical knowledge and industry best practices.
- Develop and deliver comprehensive coding curriculum, including hands-on projects, to foster students' web development skills.
- Provide mentorship and guidance to students, assisting them in problem-solving and project development.
- Evaluate student progress through assessments, code reviews, and individualized feedback.
- Collaborate with colleagues to enhance the educational experience and adapt the curriculum to evolving industry trends.

Software Developer

Bitpay | Remote | Mar 2022 – Dec 2022

- Spearheaded modernization efforts by refactoring outdated methods using NodeJS and object-oriented classes.

- Collaborated within an Agile Team, participating in daily scrums and contributing to project planning and solution identification.
- Conducted code reviews, testing, and validation of peer programming solutions.
- Engineered software solutions with NodeJS and MongoDB, enhancing company software efficiency.
- Implemented comprehensive testing using the Mocha testing suite and sinon.
- Developed dynamic utility solutions, reducing unnecessary production updates.

Student - Full Stack Web Development Program

Code Immersives | NYC, New York | Jan 2021 – Dec 2021
- Designed and deployed static websites utilizing external APIs, HTML, CSS, and basic JavaScript.
- Created a full-stack budgeting app with React, Node, and MongoDB, deploying it on the cloud.
- Developed a Learning Management System using SQL and a relational database.

AP Psychology / Statistics Teacher

Menaul School | Qingdao, China | Jul 2019 – Jun 2020
- Formulated engaging educational plans fostering children's holistic development.
- Constructed efficient lesson plans and updated them based on student performance.
- Delivered AP Psychology and Statistics instruction using Common Core aligned materials.
- Utilized technology to enhance comprehension and student engagement, incorporating diverse teaching and learning styles.

Cryptologic Linguist / HR Generalist

UNITED STATES ARMY | Various Locations | 2012 – 2015
- Served as a Pashto Crypto Linguist, translating classified language materials and liaising with foreign representatives.
- Maintained a top-secret (TS) clearance with SCI tag.
- Coordinated HR functions for incoming personnel, including processing HR documents and providing customer service.
- Collaborated with multi-level leadership, providing real-time intelligence assessments and strategic planning.
- Conducted evaluations, contributing to onboarding training improvement and process enhancements.
- Facilitated newcomer orientation, onboarding, and wellness programs, managing leave requests for over 2,500 staff.
- Prepared reports and recommendations for personnel actions, ensuring consistency in regulations and practices.