Zain Syed

SOFTWARE ENGINEER

SECURITY CLEARANCE: INITIAL SECRET CLEARANCE

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TECHNICAL SKILLS

- Languages: ReactJS, C++, Python, Java, JavaScript, SQL, HTML/CSS, Shell Scripting, OpenGL
- Frameworks/Tools: Git, GitHub, Docker, Node.js, JIRA, Airflow, Tableau, SFML
- Databases: MySQL, PGAdmin
- Cloud/OS: AWS, Windows, Ubuntu, VirtualBox
- Other: Visual Studio, VS Code, WebSockets, Axios

EDUCATION

BACHELOR'S DEGREE

California State University of Los Angeles

2020 - 2024

LANGUAGES

English	native language
Urdu	speaking, writing

PROFILE

Security-cleared Software Developer with experience in full-stack development, data pipelines, and agile environments. Skilled in ReactJS, Python, and C++, with a focus on building efficient, scalable solutions.

EXPERIENCES

DEVCOM C5ISR, Virtual Prototyping Branch | *June 2023 – April 2025*

Junior software developer

- Spearheaded the development of an internal data filtering and search tool, reducing data retrieval time by 40%.
- Accelerated project turnaround by mastering internal development environments including Visual Studio and VS Code.
- Contributed to multiple high-impact projects, improving codebase efficiency and reducing teammate workload.
- Gained full-cycle development experience while supporting agile team workflows and documentation standards.

We2Link | *September 2023 – May 2024*

Part-Time Software Developer

- Deliver the project from design to testing, including new programs, enhancements, and modifications
- Monitor the performance and test the server
- Participate in estimation and planning sessions
- Work closely with the Product team to deliver quality features in high-quality code and best practices
- Drive major architectural changes as we scale to improve our engineering velocity

The Coder School | *October 2022 – Present*

Part-Time Computer Science Tutor

- Taught foundational and advanced programming concepts in Python, C++, and Java to students aged 10–18.
- Designed curriculum and hands-on workshops for coding bootcamps tailored to various skill levels.
- Fostered collaborative learning environments while improving student retention and engagement.

PROJECTS

- Weather Prediction Pipeline (Python, Airflow, Pandas, Matplotlib) | Feb 2024 – May 2024
- Built an ETL pipeline to process and analyze 10+ years of weather data.
- Applied statistical and visual techniques to generate trend analyses and predictions.
- 3D Model Catalogue Tool (ReactJS, Node.js, WebSockets) | Jun 2023 – Aug 2023
- Developed a full-stack tool with live WebSocket integration for 3D model visualization.
- Created backend APIs using Node.js and Axios to serve dynamic frontend components.
- Logo Maker (C++, SFML) | Jan 2022 – May 2022
- Engineered an interactive logo creation tool with custom UI components.
- Integrated a color picker and shape manipulation features for enhanced UX.