Muhammad H. Zuhaimi

Irving, TX | (214) 609-7488 | ✉: haziqzuhaimi@ymail.com |LinkedIn: www.linkedin.com/in/muhammad-zuhaimi-b03482170

EDUCATION

University of Texas at Arlington — **Arlington, TX**

Bachelor of Science in Computer Science — May 2024

SKILLS

Programming Languages: JavaScript, PHP, C, Java

Security Tools: Wireshark, Splunk

Scripting Languages: Python, SQL (MySQL), PowerShell, Bash, Windows Command Line Language (Batch)

EXPERIENCE

Paycom — **Oklahoma City, OK**

Software Analyst — Apr 2025 - Feb 2026

- Successfully addressed 500+ Jira tickets, ranging from performing urgent datafixes for mission-critical issues halting the payroll process to leading large-scale database cleansing initiatives that eliminated 1.5M redundant records to optimize performance.
- Collaborated with Site Reliability Engineers to monitor production environments, architecting custom Splunk dashboards and automated alerting workflows that identify and capture potential anomalies and errors.
- Optimized datafix operations by integrating PHP and Windows Bash scripts, which effectively reduced manual workload by 93.33% and streamlined accurate log analysis to ensure high-precision error detection..
- Supported in nightly on-calls and critical incident calls, providing round-the-clock support and maintaining business continuity.

Outlier AI — **San Francisco, CA (Remote)**

AI Prompt Engineer — Oct 2024 - Apr 2025

- Designed and implemented sophisticated Python-based prompts and training datasets to enhance AI model reasoning.
- Collaborated with cross-functional teams to refine Large Language Models, and generate accurate and complex code blocks.
- Developed a comprehensive suite of jUnit test cases to validate AI-generated code, enhancing performance and consistency.

University of Texas at Arlington — **Arlington, TX**

Undergraduate Researcher — Jan 2024 - May 2024

- Optimized symbolic execution tools by integrating Large Language Models (LLMs) to detect zero-day vulnerabilities.
- Presented 'Enhancing Symbolic Execution with LLMs for Vulnerability detection' at the prestigious IEEE S&P 2024.

PROJECTS

FindMyCovid: Real-Time COVID-19 Data Mapping — Aug 2023 – Apr 2024

- Engineered a dynamic front-end interface using React and JavaScript, integrating an interactive map API to visualize real-time global COVID-19 datasets through custom-rendered map layers and data-driven markers.
- Integrated Leaflet API and COVID-19 API to create a dynamic map visualizing real-time, country level pandemic statistics.

"Enhancing Symbolic Execution with LLMs for Vulnerability Detection" — Sep 2024 – Dec 2024

- Implemented Large Language Models to reduce symbolic execution runtime, boosting zero-day vulnerability detection efficiency.
- Analyzed memory-related vulnerability patterns in 50+ documented CVEs, leading to improved understanding of system security.
- Streamlined interaction between a symbolic execution tool and targeted LLMs by creating Python-based automation scripts, resulting in a 71.43% reduction in time spent on manual workflow and execution.

FindMyRecipe: Simple Recipe Helper for Students — May 2024 – Jul 2024

- Developed an Android recipe recommendation app (Java, Firebase) that suggests dishes based on user-provided ingredients.
- Contributed to front-end UI design and implemented interactive graphs and charts (Chart.js) in a 4-person Agile team to visualize macros and dietary facts, overcoming challenges to ensure seamless display across devices.