Momin Zahid

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INDUSTRIOUS AND ADEPT FRONT-END/FULL STACK ENGINEER

Education & Experience

Bachelor of Science in Computer Science
KNOX COLLEGE, Galesburg, Illinois – (Major GPA: 3.81)

Data Structures	Software Engineering	Computer Architecture	Algorithms
Database Systems	Discrete Mathematics	Parallel Programming	UX Design

Jan 2020 – Current

Technical Consultant
SYNEGEN INC, Chicago, Illinois

- Built technical solutions for HR training working directly with stakeholders at companies including Google, Redhat, Albertsons, Dollar General and more
- Developed scalable applications with SAML Authentication, and custom Angular services backed by REST web services, and used Junit to write extensive tests
- Engineered database designs in SQL and PostgreSQL to create solutions to complicated problems
- Key engineer in creating a containerized approach for local development using docker and automated code integration and deployment with Jenkins for PHP/Java/Angular applications
- Developed internal tools in PHP and Java to increase organizational/developer efficiency
- Performed bug fixes and application enhancements for various clients
- Key engineer in developing checkstyle rules and documentation/reporting guidelines
- Used IntelliJ for development, Git for version control, Zendesk Support and JIRA for agile planning and project updates, Confluence for documentation, and Harvest to track hours worked for each project.

Jan 2018 – Dec 2019

Research Software Development Engineer
KNOX COLLEGE, Galesburg, Illinois

- Led a research team to develop csedresearch.org using PHP, HTML, CSS and JS
- Designed and implemented a RESTful API to record student/teacher survey responses and saved them to a SQL database using an XML parser, decreasing processing time by 99% when compared to manual entry
- Streamlined the development workflow of the team by using DevOps CI/CD, Cloud Deployment (AWS), introducing Git for source versioning and Agile for planning. This led to an increase in productivity by 35%
- Implemented a bug detection tool that logged all failures

Jun 2018 - Aug 2018

Software Developer
KMM TRADERS, Galesburg, Illinois

- Analyzed warehouse inventory processes to design and implement an inventory management application using Laravel as an MVC Framework
- Reduced application query time from $O(n^2)$ to $O(n)$ by indexing database and writing efficient queries
- Created and documented backup and restore mechanisms for the UNIX production server

Mar 2018 - Current

Lab Assistant
ITS – KNOX COLLEGE, Galesburg, Illinois

- Assisted student and faculty/staff users in labs
- Performed scheduled bimonthly maintenance for 20 machines (MACs and Windows)
- Debugged connectivity issues with I/O peripherals across campus

Skills

Java   PHP   React Angular

Spring Boot   Moodle/Totara

MySQL/PGSQL REST JUnit

Jenkins Docker JWT Node

Honors & Awards

Deans Honor List (Last 5 terms)
- Knox College

Mellon Fellowship
- Knox College

Richter Memorial Award
- Knox College

Knox Founders Grant
Knox Scripps Scholarship
- Knox College

Top Volunteer
- Knox College

Clubs and Volunteer Experience

Co-President
Business Club – Knox College

Senator
Student Senate – Knox College

Tech Tutor
Galesburg Public Library

Distribute Food to Low-Income Housing
- Knox College