Zulfiqer Sekender

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SUMMARY:

Full-stack engineer with over 15 years of experience designing, developing, and scaling software systems—with a strong focus on fast-paced startup environments and marketplace products. Proficient in Golang (9+ years), Python (6+ years), JavaScript/React, and familiar with Next.js, Tailwind, Supabase, FastAPI etc. Led multiple end-to-end product builds in healthcare, AI, and telecom domains. Passionate about collectibles—especially Pokémon—and excited to bring engineering speed and product ownership to a rapidly evolving trading platform.

TECHNICAL SKILLS:

Languages: Python, **Golang (Go), C/C++,** Java**, JavaScript (React, Angular, Node.JS)**.
Operating Systems: Linux, UNIX, Windows, Android.
AI: OpenAI API, TensorFlow, PyTorch, HuggingFace, Scikit-learn, **LlamaIndex, Ollama,** llama3, mistral, DuckDuckGo
Databases: Oracle, MySQL, **PostgreSQL,** NoSQL Databases (**Redis, MongoDB**), Vector Databases
Technologies: Service Oriented Architecture, Object Oriented Analysis & Design, Embedded Systems, **Cloud Computing** (**AWS**/**GCP/Azure), Microservices**, Serverless Computing, Computer Security, **Data Analysis, Data Modeling**.
Tools & Others: Git, Jenkins, **CI/CD,** Spring Boot**,** REST, **Agile methodologies**, RabbitMQ, **Kafka, Docker, Kubernetes, Splunk, Grafana, Elasticsearch,** Kibana, gRPC, GraphQL.

WORK EXPERIENCE

INNOVATE DYNAMIC – Remote **JUL 2021 - PRESENT**

Technical Lead Engineer – Development

- **Designed, developed, and maintained** a health care system, a scalable web-based applications aiding in the temporary treatment of minor ailments for uninsured patients.
- Led the design, development, testing, and maintenance of the health care system. Provided technical guidance to a team of 6 members while contributing as a hands-on developer, consistently delivering high-quality code and solutions.
- Developed **Vertical-Focused AI Chatbot** for customer support system.
- Integrated health care system with MDToolbox (e-prescribing software) and Google Microservice APIs for pharmacy location, reducing the need for manual interventions by 90%.
- **Spearheaded the seamless migration** of a major telecom provider's critical infrastructure components **from on-premise hardware to AWS Outpost**, enhancing scalability, security, and operational efficiency.
- Performed **data analysis** and **modeling** in Python leveraging **statistical methods** and **machine learning** algorithms to derive actionable insights and optimize decision-making processes.
- Mentored a team of 6 engineers, overseeing code reviews and implementing best practices that resulted in **20% fewer production bugs** and **98% on-time delivery**.
- Implemented automated test execution and result verification processes, **reducing operating costs by 20% annually** and achieving approximately **$100,000 in savings**.
- Investigated, debugged, and resolved software defects at various testing stages and customer levels.
- Ensured all developed products adhered to HIPAA compliance standards, safeguarding sensitive information and enhancing data security.
- Enhanced documentation quality and reduced code defects through rigorous technical reviews.
- **Technologies Used: Python,** Golang, **React JS, PostgreSQL**, **gRPC, AWS,** Linux, **Micro Services,** API, **Kubernetes, Kafka, OpenAI API, TensorFlow, PyTorch, HuggingFace,** Scikit-learn, **LlamaIndex, Ollama,** llama3, mistral, DuckDuckGo, Agile methodologies.

NOKIA – Murray Hill, NJ **JUL 2020 – JUL 2021**

Consultant – (Consulting Company: Orion Systems)

- Designed and developed an optical fiber modem simulation for **Nokia's automated CI/CD system**, reducing testing time by 40%.
- Ensured efficient and secure deployment of **Large Language Models** for enhanced infrastructure management and data privacy.
- Performed **data analysis** and **modeling** in Python leveraging **statistical methods** and **machine learning** algorithms to derive actionable insights enhancing decision-making efficiency by 20%.
- Participated in design and code reviews, resolving technical issues, and generating automatic reports for system statistics.
- Improved product quality through diligent debugging and defect resolution.
- **Technologies Used: Python, C/C++**, **Pandas,** NumPy, **TensorFlow, Linux, Grafana, Elasticsearch,** Agile methodologies.

TIDAMED (The Interim Doctor App) – Neptune, NJ **NOV 2019 - JUL 2020**

Consultant – Development

- **Designed, developed, and maintained** TIDAMED **(**The Interim Doctor App**)** system increasing patient engagement by 35% within the first six months. (TIDAmed is a smart device app that proves useful and convenient to patients and primary care physicians in the temporary treatment of MINOR ailments for the uninsured patients).
- Led the design, development, testing, and maintenance of the TIDAMED system.
- Supervised a team of 5 members, ensuring HIPAA compliance and hands-on coding.
- Enhanced documentation and reduced code defects through technical reviews.
- Automated test execution and result verification processes.
- Investigated, debugged, and resolved software defects at various testing stages and customer levels.
- **Technologies Used: Python, Golang**, **React JS,** PostgreSQL, **gRPC, AWS**, Linux, **Micro Services,** API, HIPAA Policy**,** Agile methodologies.

VERIZON WIRELESS – Warren, NJ **JUL 2013 – NOV 2019**

MTS IV Cslt-Sys Engrg– IT Wireless Mobile Apps Department

- Senior Software Engineer for Verizon Remote Mobile Device Diagnostic systems, developing applications to remotely debug and fix mobile device issues which reduced operating costs by 40% annually and achieved approximately $200,000 in savings yearly.
- Enhanced the Remote Mobile Device Diagnostic Server using OMADM Protocol for **4G and 5G devices**, optimizing server performance by 40% and reducing system downtime by 25%.
- Led research and implementation efforts in remote mobile device screen transfer and touch injection.
- Developed and supported **LWM2M/IoT** server for device management over sensor or cellular networks.
- Migrated applications to AWS, utilizing various AWS services cutting infrastructure costs by 15% and improving system uptime by 20%.
- Conducted performance analysis and improvements through load testing and POCs.
- Automated report generation for system health and performance metrics.
- Performed **data analysis** and **modeling** in Python leveraging **statistical methods** and **machine learning** algorithms to derive actionable insights and optimize decision-making processes.
- **Technologies Used: Python, Golang,** Spring Boot, React, AWS, Linux, Shell Scripts (Bash), **Java, Kubernetes, IBM MQ,** Git, Jenkins, Splunk, Redis, **Kafka**, Oracle, Agile methodologies.

CLS BANK – New York, NY **NOV 2012 – JUL 2013**

Consultant – (Consulting Company: Persistent Systems)

- Designed, implemented, and tested CLS Bank's FX transaction system, ensuring low latency and high scalability which reduced latency by 30%.

- Coordinated and managed an off-shore development team, ensuring on-time and quality deliverables.
- **Technologies Used: C/C++ 11,** Erlang/OTP, Windows, HTTPS, JSON, **Low latency**, TCP/IP, Agile methodologies.

VERIZON WIRELESS – Warren, NJ **NOV 2010 – NOV 2012**

Senior Programmer Analyst – IT Wireless Mobile Apps Department

- Developed Verizon Push project, providing secure and reliable delivery of messages to mobile devices.
- Integrated Verizon push platform with APNS and C2DM increasing reliability by 50%.
- Developed MAS (Mobile Accessory Store), allowing users to purchase mobile accessories via mobile devices or websites.
- **Technologies Used: C/C++ 11,** Erlang/OTP, React, AWS, Linux, Shell Scripts (Bash), **Java, Kubernetes, IBM MQ,** Agile methodologies.

EDUCATION:

North Dakota State University (NDSU) - Fargo, North Dakota
M.S. Computer Science
Bangladesh University of Engineering and Technology (BUET) - Dhaka, Bangladesh
B.S. Computer Science and Engineering

US PATENTS:

- **US Patent** awarded **(Patent Number 9,197,575) –** "Handling of Snapshot Messages as a Result of Delivery Failure In a Two-Way Push Connection"
- **US Patent** awarded **(Patent Number 9,819,785) –** "Multimedia Messaging Service Communication using a Two Way Push Connection"
- **US Patent** awarded **(Patent Number 9,832,314)** – "Customer Representative Remote Access for Troubleshooting Smart Phones"

STATUS: U.S. Citizen.