

# Zulfiqer Sekender

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## SUMMARY:

- Over 15 years of experience in software design and development with a strong track record of **full-stack feature delivery** across **fast-paced startups and enterprise settings**.
- Extensive experience with **Python** (7+ years), **Golang** (4+ years), **JavaScript** (4+ years), and **Java** (4+ years), including modern web frameworks (**React, Node.js**).
- **Built and shipped end-to-end features independently, supporting developer experience** and internal tools in cloud-based environments.
- Deep experience **debugging backend latency, optimizing APIs, and styling dynamic frontend interfaces**.
- **Customer-focused mindset:** rapidly iterated features based on feedback, demonstrating measurable impact on engagement and reliability.
- 3+ years of experience with Generative AI, including Prompt Engineering and working with Large Language Models.
- 3+ years of experience with **data analysis** and **data modeling** (using **Python**).
- Proven record of **leading technical teams**, with significant experience at Verizon Wireless and Innovate Dynamic.
- Passionate about **evaluating** and **researching new technologies**.
- **Quick learner** with a proven ability to acquire new technologies, skills, and business knowledge.
- Skilled in **working under pressure in fast-paced environments** and effectively communicating with clients, development teams, and business teams.

## TECHNICAL SKILLS:

**Languages:** Python, Golang (Go), JavaScript (React, Node.js), C/C++, Java.

**Operating Systems:** Linux, UNIX, Windows, Android.

**Technologies:** Generative AI (Prompt Engineering, Large Language Models), Service Oriented Architecture, Object Oriented Analysis & Design, Embedded Systems, **Cloud Computing (AWS/GCP/Azure)**, **Microservices**, Serverless Computing, **Computer Security**, Data Analysis, Data Modeling.

**Databases:** Oracle, MySQL, **PostgreSQL**, NoSQL Databases (**Redis, MongoDB**).

**Tools & Others:** Git, Jenkins, **CI/CD**, REST, RabbitMQ, **Kafka**, **Docker**, **Kubernetes**, **Splunk**, **Grafana**, **Elasticsearch**, gRPC, **Agile**, DevOps practices.

## 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.
- **Zero-to-one feature development experience**, including dashboards (billing, logs, usage), with tight collaboration across research, design, and engineering teams.
- **Shipped production-grade full-stack components** with a strong focus on performance, UX, and developer experience.
- 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.
- Conducted **Prompt Engineering in Generative AI** by designing, refining, and optimizing input prompts for improved AI response accuracy increasing response accuracy by 25% and maintaining strict data privacy.
- 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, HIPAA Policy, 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++, Linux, Grafana, Elasticsearch, Generative AI, 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.**