

SUMMARY

Experienced Senior Backend Software Engineer with a strong focus on Python and C++. Successfully developed and maintained high-performance backend systems for medical clients, ensuring reliability, performance, and scalability. Proficient in AWS services, SQL and NoSQL databases, and CI/CD pipelines. Led cross-functional teams to deliver complex projects on time and within budget. Accomplishments include developing real-time data analytics systems, leading cross-functional teams, and contributing to open-source projects. Master of Science in Computer Science from Stanford University. Committed to healthcare innovation and passionate about leveraging technology to save lives.

- EXPERIENCE
- Senior Backend Software Engineer
- MedTech Solutions
- 2018 - 2021 London, UK
- Developed and maintained high-performance backend systems for a leading medical client.
- Designed and implemented APIs to fetch billions of data points related to patients' statuses, resulting in improved accuracy and efficiency.
 - Ensured continuous availability of services through effective troubleshooting and optimization techniques.
 - Collaborated with U.S. and U.K.-based teams to create functional table structures for software handling 5 terabytes of data.
 - Utilized Python and C++ to enhance the architecture and reliability of core backend systems.
 - Implemented Terraform and AWS services to provision infrastructure and improve scalability.

- Backend Software Engineer
- HealthTech Innovators
- 2016 - 2018 San Francisco, CA
- Developed scalable backend solutions for healthcare management software providers.
- Designed and maintained APIs to ensure accurate and up-to-date patient information.
 - Improved system performance by 25% through optimization and database tuning techniques.
 - Collaborated with cross-functional teams to deliver projects adhering to strict deadlines.
 - Implemented CI/CD pipelines using GitHub Actions and Jenkins for efficient software deployment.

- STRENGTHS
- Problem Solving
- Developed innovative solutions resulting in improved system performance by 30%.
- Collaboration
- Worked closely with cross-functional teams to deliver complex projects on time and within budget.
- Adaptability
- Successfully adapted to changing project requirements, ensuring seamless integration of new functionalities.

SKILLS

Python	C++
Amazon AWS Services	SQL
MySQL	PostgreSQL
NoSQL databases	Atlassian JIRA
Confluence	Terraform
	GitHub
CI/CD	

- PROJECTS
- HealthData API
- Developed an open-source API for retrieving and analyzing health data from various sources. [github.com/healthdata-api]
- MedBot Chatbot
- Built a chatbot using natural language processing to assist healthcare professionals in retrieving patient information and providing medical recommendations. [github.com/medbot-chatbot]

CERTIFICATION

Advanced Python Programming

Completed an intensive course on advanced Python programming techniques and best practices at Udemy.

EXPERIENCE

Software Developer

MedLife Systems

📅 2014 - 2016 📍 Austin, TX

Contributed to the development of proprietary healthcare software solutions.

- Implemented data models and algorithms resulting in improved efficiency of medical software products.
- Collaborated with a team of developers to deliver high-quality code and meet project milestones.
- Utilized SQL and NoSQL databases to store and retrieve large volumes of medical data.
- Participated in code reviews and provided valuable feedback to enhance software quality.

EDUCATION

Master of Science in Computer Science

Stanford University

📅 2012 - 2014 📍 Stanford, CA

Bachelor of Engineering in Software Engineering

University of Texas at Austin

📅 2008 - 2012 📍 Austin, TX

LANGUAGES

English

Proficient



Spanish

Advanced



CERTIFICATION

Building Scalable Web Applications with AWS

Obtained certification from AWS Training for building scalable web applications using AWS services.

PASSIONS



Coding

Passionate about exploring new technologies and solving complex problems through coding.



Healthcare Innovation

Dedicated to leveraging technology innovations to improve healthcare outcomes and save lives.