Saman Karim

Software Engineer

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Executive Summary

Enthusiastic and dedicated Oracle Certified Java Programmer with two years of professional experience. Possess effective communication, analytical, problem-solving, troubleshooting, team-working, and time-management skills.

Work Experience

Associate Software Engineer   June, 2017 – Present

VentureDive Pvt Ltd, Pakistan.

VentureDive is a reputable and one of the leading Software Company in Pakistan. I have worked here as a member of Java Backend team. I am working on VistaJet which is an elite global business aviation company.

Technology stack: Spring, Spring Boot, Hibernate, Redis, Oracle 12c, MySQL and weblogic including integration with third party APIs.

My Responsibilities and notable accomplishments:

- Shifted monolith architecture to micro-service architecture using domain-driven design.
- Re-engineered traditional password login by implementing fingerprint hash login mechanism.
- Optimized database queries to minimize response time by 40%.
- Optimized REST APIs by using Redis for caching.
- Developed and implemented device blocking to stop malicious and illegitimate requests for SMS or Email verification codes for a period of time (DDoS attacks).
- Worked with VistaJet's geographically dispersed teams in Malta, Ukraine, Bulgaria, UK and Brazil.

Skills and Abilities

Programming Languages	Java, C/C++, Python, HTML, CSS
Frameworks	Java Spring (Hibernate), Spring Boot, Bootstrap, OpenCV
Databases	Oracle, MySQL
Version Control	Git

Education

BSc Computer Science   August, 2013 – June, 2017

National University of Computer and Emerging Sciences

CGPA 3.61 (Cum Laude)

Academic Projects

EyeHope	An android based application to assist blind people in emotion detection using Machine Learning algorithms and Computer Vision.
Fake Review Detection	Worked on Fake Review Detection system using Machine Learning algorithms.

https://Saman-Karim.github.io

On Your Way	Web Application that provides extra map facilities for travelers using Google Maps API.
Research Repository	Web application for researchers in the university to showcase their work and connect with peers to carry out interdisciplinary research.

Non-Academic Projects

Revamped www.khi.nu.edu.pk for FAST-NUCES as a member of The Web Masters Society (2017)
Developed Coder's cup website as a member of ACM at FAST-NUCES (2015 and 2016)

Achievements

PUBLICATIONS

EyeHope (A Real Time Emotion Detection Application)
Memon Z.A., Mubarak H., Khimani A., Malik M., **Karim S**. EyeHope. (A Read Time Emotion Detection Application), Intelligent Computing. SAI 2018. Advances in Intelligent Systems and Computing, vol 858. pp. 615-623, 2019. Springer.
DOI: https://doi.org/10.1007/978-3-030-01174-1_47

HONORS/AWARDS

National University of Computer and Emerging Sciences
Cum Laude Honor in BSc Computer Science (2017)
Dean's list awardee (Fall 2013, Fall 2014, Spring 2015, Fall 2015 and Spring 2017)
Runners up in Database Design Competition at IBA Probattle (2016)
Qualified in the ACM ICPC Lahore regional speed programming competition from Pakistan (2015)

Aga Khan University Examination Board
Best subject result in English in Sindh and Balochistan in HSSC–I examinations (2012)

SCHOLARSHIPS

Sindh Endowment Scholarship by Education and Literacy department (by Government of Sindh), National University of Computer and Emerging Sciences (2015-2016)

Certificates

Oracle Certified Associate, Java SE 8 Programmer (2019)	See Credential
DataCamp	
Introduction to Data Visualization with Python (2017)	See Credential
Intermediate Python for Data Science (2017)	See Credential
Introduction to Machine Learning (2017)	See Credential

Extracurricular Activities

National University of Computer and Emerging Sciences
Content Head (Executive Committee) at Dramatics and Extracurricular Society (2016-2017)
Web developer at The WebMasters Society (2017)
Web developer at ACM Student Chapter (2015-2016)

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