AMMAR B AYAZ

Full stack Web Developer with keen interest in Deep Learning
https://github.com/aba450, https://medium.com/@ammarpathan

309-807-2053

aba450@nyu.edu

1110 Gates Court
Morris Plains, NJ
07950

EDUCATION

NEW YORK UNIVERSITY   **NEW YORK, NY**
MS IN COMPUTER SCIENCE   *SEP 2019-JUN 2021*
Relevant Course Work: Machine learning, Artificial Intelligence,Big Data, Cloud Computing,
Algorithms, Devops, Deep Learning.
PES UNIVERSITY   **BENGALURU, INDIA**
B.Tech IN COMPUTER SCIENCE   *JUL 2008-JUN 2012*

WORK EXPERIENCE

8+ years of hands-on experience as full stack web developer

Lead Developer/ Full-Stack Developer, WIPRO Technologies; Gr. Noida, India — 2015-2019

- Designed, developed and planned for the migration of legacy **JSP** and **STRUTS** based application to micro services based system using R**eact-Redux, Rest API, Spring boot.**

- Developed and designed implementation of a new payment verification module in a Web portal used by the end customers of our client. We leveraged full **J2EE** stack to develop this module. For batch processing of verification requests I developed **SpringBoot** batch.

- Enabled Automatic Deployment via build management and continuous integration. Implementation of **TeamCity** tool that was used to automate the process of application deployment on both production as well as on staging server.

Sr. Software Developer, WIPRO Technologies; Gr. NOIDA, India — 2012-2015

- Developed a new functionality in a web portal for a communications client from scratch, The project involved development of all the components of web stark I.e front end, middleware and backend. Technologies used were **Struts 2.0, JSP, SOAP web services, OracleDB**.

- Single handedly automated the process of unit testing by mocking the web service response using **groovy** scripting and writing automated unit tests using **Auto UT**, **Auto Fix** tools developed by Wipro Holmes team.

PROJECTS

Smart Door Authentication System: Developed a Smart Door authentication system that uses

Kinesis Video Streams and Amazon **Rekognition** to build a distributed system that authenticates people and provides them with access to a virtual door. Server-less architecture using multiple AWS services. **React JS** was used to develop the frontend.

Dining concierge using AWS: Developed a chatbot for restaurant recommendations using various

AWS services such as **Lex**, **API gateway**, **Lambda** functions, **S3**, **SQS**, **SNS**, **SES**, **Cloud Watch** and used **Swagger** to design API. The frontend was developed using **React JS**.

Single Image Super Resolution: Did an in-depth analysis of state of the art Super Resolution techniques based on Deep Learning. Trained different models such as **SRCNN**, **SRGAN**, **ESRGAN** and tried to compare their performances on benchmarks using different metics such as **PSNR**, **SSIM**.

Netflix -Clone: As part of DevOps course work developed a web-app to search and stream movies. We are using **Flask**-**restx** as backend and **React JS** frontend. For storing data we are using **Mongo DB**. We are doing incremental development as part of the **Agile** methodology. **Travis CI** is the tool used for Continuous Integration and **AWS EC2** for deployment.

PROGRAMMING SKILLS

Technologies:, J2EE, Python, Struts, SpringBoot, JPA, Deep Learning, Flask-Restx, React JS, Redux, Oracle, MongoDB, REST API,Node JS,SOAP,Servlets, JSP, HTML, JavaScript,Groovy.
Tools: Maven, AWS, Git, Kanban, Heroku ,TeamCity,Travis CI, Netlify, DynamoDB
Languages: Core Java, J2EE, Python,SQL JavaScript, Spark, PyMongo