# Ibrahim Mohammed

Senior Python Developer

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## Professional Summary

Results-driven Senior Python Developer with 9+ years of experience designing,   
developing, and optimizing scalable automation solutions in healthcare and cloud environments.   
Expert in OpenCV, PyAutoGUI, Beautiful Soup, Pandas, Selenium, and healthcare technologies   
(HL7, FHIR, RCM, EHR, EDI 270/271, 835/837). Strong expertise in developing and managing   
healthcare data processing pipelines, ensuring compliance with industry standards.   
Proficient in AWS, Docker, Kubernetes, and CI/CD automation for seamless deployment workflows.

## Technical Skills

- \*\*Programming:\*\* Python, NodeJS, SQL, Golang   
- \*\*Automation & Web Scraping:\*\* OpenCV, PyAutoGUI, Beautiful Soup, Selenium, Pandas   
- \*\*Healthcare Technologies:\*\* HL7, FHIR, RCM, EHR, EDI 270/271, 835/837   
- \*\*Cloud & DevOps:\*\* AWS (EC2, S3, RDS, Lambda, Glue), Docker, Kubernetes, Terraform, CI/CD   
- \*\*Web Development:\*\* Django, Flask, FastAPI, RESTful APIs   
- \*\*Databases:\*\* PostgreSQL, MySQL, MongoDB, Oracle   
- \*\*Version Control:\*\* Git, GitHub, Bitbucket

## Professional Experience

### Lead Python Developer

Endeavor Health, Chicago, IL | Aug 2021 – Jan 2025

- Developed and maintained Python-based automation solutions for healthcare data processing.  
- Built scalable ETL pipelines integrating HL7, FHIR, and RCM workflows with AWS services.  
- Designed and deployed RESTful APIs for interoperability between EHR systems and third-party services.  
- Automated claims processing using Selenium, Beautiful Soup, and Pandas, reducing manual effort by 40%.  
- Integrated OpenCV and PyAutoGUI to automate document recognition and processing.  
- Managed cloud-based deployment pipelines using AWS Lambda, Docker, and Kubernetes.  
- Led a team of developers in implementing secure data exchange solutions compliant with HIPAA.

### Senior Python Developer

State Farm, Chicago, IL | July 2019 – Aug 2021

- Developed microservices and backend solutions using Flask, Django, and FastAPI.  
- Optimized Python-based RCM automation, improving claim processing speed by 30%.  
- Integrated EDI 270/271, 835/837 transactions for insurance verification and payment automation.  
- Implemented AWS Glue-based data transformation for claims and patient records.  
- Developed Selenium automation scripts for web-based data extraction and validation.

### Python Developer

Verizon, Chicago, IL | Jan 2016 – Jun 2019

- Built and optimized healthcare-related data pipelines and automated workflows using Python and AWS.  
- Developed SOAP and RESTful APIs for data exchange between insurance providers and healthcare facilities.  
- Integrated PyAutoGUI and OpenCV for automating GUI interactions in legacy healthcare applications.

## Education

- \*\*Master of Science in Information Systems Technology\*\* – Lindsey Wilson College, KY (2023)   
- \*\*Master of Business Administration in Information Technology\*\* – Hellenic American University, NH (2022)   
- \*\*Bachelor of Science in Biotechnology\*\* – Osmania University, India