

# HIRAM K NEAL

## Software Engineer

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### EXPERIENCE

#### Python Developer

Experian   06/2023 - 02/2024   San Jose, CA

- Designed and developed optimization algorithms and their respective applications for Machine Learning (ML) features and model registration.
- Stakeholder collaboration to design, build, and support new and existing software applications.
- Integrated Python RESTful APIs into applications using Fast-API.
- Built deployment pipelines for applications in Jenkins on Kubernetes. (AWS, CI/CD, Jira, Agile).

#### Software Engineer (Python)

Noyo Technologies   01/2022 - 02/2023   San Francisco, CA

(PYTHON APPLICATION DEVELOPER), San Francisco, CA Noyo Technologies

- Improved the platform to carrier synchronization rates through automation, validation, integrations, and RESTful APIs.
- Designed & implemented automation and validation system application.
- Developed platform interface applications to reduce operation team workloads (Retool/JavaScript).
- Improved application business logic using development best practices (Python FastAPI & Flask, Google Cloud Services (GCP), SQL, CI/CD, Jira, Agile).

#### Full Stack Developer

WarriorMade   10/2018 - 01/2022   Santa Cruz, CA

Python/Django - Angular Application Development

- Designed & Coded a video transcoding and delivery algorithm and application that provides customized workout videos for every user, per their workout level.
- Designed, developed, and built RESTful API's. Improved CRM & API integration, database efficiency, and overall web application performance. Migrated Flask web applications into Django.
- Database Schema design, development, and maintenance, input validation/verification and user authorization.
- Angular / Django integration into seamless single page applications to improve customer interactions / satisfaction.
- AWS Cloud Services (Lambda, API-Gateway, MediaConvert, EC2, S3...)
- Database Administration, Cloud Services, SQL, Jira, Agile, Apache.

#### Software engineer

IBM   08/1998 - 05/2016   San Jose, CA

Exceeded quality assurance goals as Team Lead by coding and developing workload scenarios, environments, and drivers to evaluate new and existing code functionality.

- Utilized monitoring and development tools such as IMS Performance Analyzer (IMSPA), Resource Measurement Facility (RMF), Visual Performance Analyzer (VPA), Eclipse IDE, Rational Developer for System Z, JMeter, and Wireshark.
- Improved workload scenario test cases and environments by coding workload automation configurations and programs for mainframe/Windows and Java TPNS Script. This effort reduced a 1-week testing process into an 8-hour shift.
- Evaluated new IMS functionality within an IMS Performance evaluation scope.

### SUMMARY

Software Engineer with extensive expertise in Python and a robust background in application development, database design, and programming. Demonstrates proficiency in integrating RESTful APIs, optimizing algorithms, and enhancing platform efficiency using advanced tools like Jenkins, Kubernetes, Docker, and Cloud Services. Committed to leveraging skills to drive innovation and efficiency in software solutions.

### CERTIFICATION

Coding dojo (Python & MEAN Full-stack)

Python Certification

Java Programming

### TRAINING / COURSES

Certification in web development

### SKILLS

Amazon AWS	Angular	Unix
Database Design	Django	Flask
Google Cloud Services	JavaScript	
Jenkins	MySQL	Postgres
Python		
Restful APIs	Typescript	Windows
Docker	Jira	

### KEY ACHIEVEMENTS

Designed and built the algorithm and application to transcode, deliver, and stream custom-made videos to users on demand.

Provided a way for our users to customize their workouts from a pool of thousands of videos.

### EDUCATION

Java Programming Certification

University California

Irvine, CA

- Irvine, DCE
- Relevant Coursework

Bachelor of Science (B.S.) in computer science

Grambling State University

Grambling, LA