**Franklin K. Kirimi**

**Python/Django Developer**

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***Summary:***

* Enthusiastic **full stack developer** with over **10+ years** of professional hands-on

experience creating cutting-edge web applications. Passion and desire in pursuing

my creative spirit and leveraging my strong technical skills into software

development .

* Expert in the development, creation and modification of web applications, including

maintenance of scalable, fault-tolerant systems.

* Responsible for app architecture, **APIs** , web features and other related architecture.
* Build and maintain key internal systems, adding new features and **fix bugs** in Python,

**Django** , **flask** and **mySQL** .

* Work closely with operations personnel and developers to manage and improve systems
* Make recommendations and strong cases for architecture and technology decisions,

working within a team of developers across the full application stack.

* Develop, test, and maintain robust, scalable, high-quality software for technology

platform and full suite of products.

* Contribute to continuous improvement of software development best practices in the

areas of coding tools, languages and APIs, as well as software design and development

processes.

* Involved in design phase and data modeling, interacted with other team members to

understand the requirements for the project.

* Solve difficult problems while continuously learning and improving my skills.
* Provide technical guidance and strategy to non-technical team members as new product

ideas are explored

* Work as part of a small, cross-functional team to create new products.
* Develop functional prototypes for new products across a range of platforms.
* Collaborate with a team, including non-developers and a technical architect, in a fluid

environment with evolving requirements.

* Update and optimize websites for effective marketing and cross-browsers visibility
* Provide recommendations and web support for migrating websites into new

frameworks.

* Excellent communication skills with leadership qualities and open to innovative ideas to

develop a creative solution for challenging client needs.

* Always exceeded expectations of project work and contributed significantly in

teamwork. Have worked across many domains and industry verticals and capable of

handling multiple responsibilities without compromising on the quality.

* Excellent communication skills with leadership qualities & open to innovative ideas to

develop a creative solution for challenging client needs

* Participates actively in all phases of software development lifecycle (SDLC) spanning

from requirements gathering to design, development, testing, debugging, and support.

Identifies innovative ways to simplify complex processes, and provide users with unique

new capabilities by leveraging latest technologies and techniques. I strive to provide

quality code for any software in languages including javascript, Ruby, python to mention

but a few.

* As a full stack web developer, I have worked in multi-tier web based technologies as well

as client server application development.

***Education:***

Bachelor of Technology (Electronics and Computer Engineering)

***Technical skills highlights:***

* javaScript, Python, Ruby , SQL, MYSQL, HTML, CSS3 .
* Frameworks: Django, Angular 4, Ruby on Rails, Express, Flask, Bootstrap, MVC,
* SASS,EMBER.JS,
* Database: MySQL, SQLite, MongoDB,SQL, PostgresSQL
* Others: Git, GitHub, jQuery, Node, Bower, Visual Studio Code
* Others:

○ API design

○ Strong decision maker

○ Performance and optimization

○ Data warehousing and analytics

***Work experience***

**Python/Django Developer**

***JP Morgan and Chase Houston, TX. Jul 2016 – Present***

**Description:**

JPMorgan Chase & Co. is an American multinational banking and financial services holding company

headquartered in New York City. It is the largest bank in the United States, the world's sixth largest bank

by total assets, with total assets of US$2.534 trillion, and the world's second most valuable bank by

market capitalization. As a Full-Stack Python Developer, I work daily with Python, Django, PostgreSQL,

Nginx, Gunicorn and Amazon APIs, the large and ever-growing code base .

**Responsibilities:**

* Involved in the software development lifecycle (SDLC) of tracking the requirements,

gathering, analysis, detailed design, development, system testing and user acceptance

testing.

* Created a Django dashboard with custom look and feel for end user after a careful study

of the Django admin site and dashboard.

* Have good experience on working with relational databases (RDBMS) and NoSQL

Databases like MongoDB.

* Expert in creating migration files and making migrations in Django including database

access using Django ORM

* Close eye on writing reusable, testable and efficient code
* Developed Merge jobs in Python to extract and load data into MySQL database.
* Successfully migrated from SQLite to MySQL with complete data integrity.
* Used Test driven approach for developing the application and Implemented the unit tests

using Python Unit test framework.

* Create custom DB API in python to connect with database and write SQL procedures to

mine data.

* Validate all mined data and store in Oracle db and proficient in SQL tuning.
* Involved in troubleshooting and issue resolution with Oracle applications financial

modules.

**Front end web Developer**

***Glacier Bancorp New Jersey Apr 2015 - Jun 2016***

**Description** :

Glacier Bancorp, Inc. is a bank holding company with assets of $9.3 billion, headquartered in Kalispell,

Montana, with operating divisions: Glacier Bank of Kalispell, First Security Bank of Missoula, Valley Bank

of Helena, Big Sky Western Bank of Bozeman, Western Security Bank of Billings, First Bank of Montana,

Lewistown; Mountain West Bank in Idaho, Utah and Washington.

**Responsibilities:**

* Work with a team of developers on python applications for RISK management.
* Experience in developing Web Applications based on MVC architecture using Python,

Django, Flask.

* Design, develop, test, deploy and maintain the website.
* Used HTML, AJAX, CSS, SASS, jQuery, Bootstrap, javascript and Angular 4 for the

client-side Javascript manipulation

* Resolved issues that occurred in production.
* Paid close attention to business communications for the system updates and meeting

deadlines for the implantation.

* Designed and developed data management system using MySQL.
* Rewrite existing Python/Django modules to deliver certain format of data.
* Used Django Database API's to access database objects.
* Handled all the client-side validation using JavaScript.
* Involved in writing REST APIs using Django framework for data exchange and business

logic implementation.

* Experience in using collections in Python for manipulating and looping through different

user-defined objects.

* Design and implemented custom Bash scripts for controlling the data flow from the

PostgreSQL database.

* Used Django configuration to manage URLs and application parameters.
* Responsible for configuring NoSQL databases like Apache Cassandra and Mongodb .
* Created unit test/regression test framework for working/new code
* Using git and github tool to coordinate team-development.
* Developed entire frontend and backend modules using Python on Django Web

Framework.

* Responsible for debugging and troubleshooting the web application.
* Developed views and templates with Python and Django view controller and templating

language to create a user-friendly website interface.

* Prioritized outstanding defects and system problems, ensuring that accuracy and

deadlines were met.

**Python Developer**

***AIM Specialty health Chicago, IL Feb 2014 - Mar 2015***

**Description** :

AIM Specialty Health (AIM) provides clinical solutions that drive appropriate, safe, and affordable care.

Serving more than 50 million members across 50 states, D.C. and U.S. territories, AIM promotes optimal

care through use of evidence-based clinical guidelines and real-time decision support for both providers

and their patients.

***Responsibilities:***

* Used Python-based GUI components for the front-end functionality such as selection

criteria.

* Used Amazon Web Services (AWS) for improved efficiency of storage and fast access.
* Managed the Migration from heritage framework to AWS cloud platform using Cloud

formation templates.

* Used Ruby to write fully functioning test automation process that allowed the simulation

of submitting different we request from multiple browsers to the web application.

* Used Angular to update a portion of a web page/view thus reducing bandwidth usage and

load time in web pages to get user input and requests.

* Developed asynchronous notification mechanism by using Tornado.
* Involved in development of a Map based application for integral analysis purpose.
* Involved in analysis and design of the application features.
* Deployment of the web application using the Ubuntu server.
* Knowledge of Test Driven Development (TDD), Pair Programming with PyUnit, Junit and

Python Unit-test.

* Documented the design solutions and created stories for client requirements.
* Utilized Python libraries like NumPy and Matplotlib for generating graphical reports.
* Worked on the development of SQL and stored procedures for normalization and

denormalization in MYSQL.

Executed MYSQL database queries from python using Python-MySQL connector and

MySQL dB package to retrieve information.

* Experience in working with a team of developers on python applications for RISK

management.

* Improved code reuse and performance by making effective use of various design

patterns.

* Developed tools using Python, Shell scripting, XML to automate some of the menial

tasks. Interfacing with supervisors, artists, systems administrators, and production to

ensure production deadlines are met.

**Web developer Developer**

***LCI Burlingame, CA May 2013 - Jan 2014***

**Description** :

LCI delivers industry's finest bankruptcy data, bankruptcy process automation software, expert services

and research to automate expensive process in the bankrupt lifecycle. The scope of the project is to build

and support authentication and identity management applications to facilitate secure access to LCI's

customer facing systems.

Refactored the entire backend, stepwise taking the company from an MVP to a stable platform for

international customers.

**Responsibilities:**

* Analysed the Business Requirement Documents and created the technical specification

documents.

* Responsible for complete SDLC including coordinating proposals, project meetings,

code-reviews etc

* Fully participate in a scrum-based, agile development team.
* Built application logic using Python, Django and PostgreSQL.
* Designed views and templates with Python and Django view controller and templating

language to create an easily accessible interface for users.

* Used Django configuration to manage URLs and application parameters.
* Rewrite existing Python/Django modules to deliver certain format of data.
* Used transactions data and code in Python (Pandas, NumPy) to understand how users

have changed their usage behaviour with respect to the sale and various promotional

offers.

* Written many programs to parse excel file and process many user data with data

validations.

* Deployed applications on AWS by using Elastic Beanstalk.
* Used AWS SDK to connect with Amazon SQS for bulk email processing. Closely analysed

the database tables using sequel pro tool of PostgreSQL to resolve integrity issues.

* Design and Development of presentation layer using technologies like HTML, CSS, and

JavaScript.

* Used Bootstrap to manage and organise the html page layout.
* Created database using PostgreSQL, wrote several queries to extract data from

database.

* Participate in code reviews, automated and functional testing, and other aspects of our

quality assurance process.

* Resolved ongoing problems and documented progress of the project.
* Collaborated with teams to convert user feedbacks into improved solutions
* Understand web protocols, standards, and technologies (HTML, CSS, JS).
* Used Git for version control
* Used other packages such as Beautiful Soup for data parsing.
* Worked on writing and as well as read data from csv and excel file formats.
* Developed a MATLAB algorithm which determines an object's dimensions from digital

images.

* Web-services backend development using Python (CherryPy, Django, SQLAlchemy).
* Participated in developing the company's internal framework on Python. This framework

became a basement for the quick service's development. A framework based on

CherryPy with GnuPG encryption (GnuPG module) on the top.

* Worked on resulting reports of the application and Tableau reports.
* Worked on HTML5, CSS3, JavaScript, Git, REST API, Mongodb.
* Developed views and templates with Python and Django view controller and templating

language to create a user-friendly website interface.

* Utilizes ember.js handlebars in building semantic templates.
* Embedded AJAX in UI to update small portions of the web page avoiding the need to

reload the entire page.

* Used jQuery for all client-side data manipulation.
* Managed datasets using Panda data frames and MySQL, MYSQL database queries from

Python using Python-MySQL connector MySQL package to retrieve information.

* Used Pandas API to put the data as time series and tabular form for east timestamp data

manipulation and retrieval to handle time series data and do data manipulation.

* Used Test driven approach for developing the application and Implemented the unit tests

using Python Unit test framework.

* Developed entire frontend and backend modules using Python on Django Web

Framework.

* Maintenance and continues development of the applications in PL/SQL procedures, ETL

modules and shell scripting using best practices.

* Managed and reviewed Hadoop log file and worked in analyzing SQL scripts and

designed the solution for the process using PySpark.

* Developed rich user interface using CSS, HTML, JavaScript, and jQuery. Created a

Python-based GUI application For Freight Tracking and processing

* Developed and maintained various automated web tools for reducing manual effort and

increasing efficiency of the Global Shipping Team.

**Front-end Developer**

***Juniper Networks Columbus, OH April 2012 - Apr 2013***

**Description** :

Subscription management services for large service provider customers. Subscription management

involves aggregating data from many systems through OSS/BSS integration. This platform provides

reporting tools for the service provider to track subscriber data. It also provides the ability to react to

billing events and schedule changes to subscribers’ levels of service.

**Responsibilities:**

* Developed Python based API (RESTful Web Service) to track the events and perform

analysis using Django.

* Involved in design phase and data modeling, interacted with other team members to

understand the requirements for the project.

* Involved in development using Python, bug fixing and unit testing of the layout

commands.

* Created a Python/Django based web application using Python scripting for data

processing, MySQL for the database, and HTML/CSS/jQuery and HighCharts for data

visualization of the served pages.

* Developed web-based applications using Python, Django, CSS, HTML, JavaScript and

jQuery.

* Designed and managed API system deployment using fast http server and Amazon AWS

architecture.

* Developed entire frontend and backend modules using Python on Django
* Deployed and configured application on AWS.
* Designed and developed the UI of the website using HTML, AJAX, CSS and JavaScript.

**Python Web Developer**

***Clarian Health Partners Indianapolis, IN Jan 2011 - March 2012***

**Description** :

Home Care is basically developed for day-to-day transaction management of Home Care. The purpose of

this system was to automate the whole process. I was responsible for development and maintenance

Patient Status Master, User Master, Nurse Agency Master, Pharma Tab, Delivery Info Tab, Lab Info Tab,

Purging and Audit Trail.

**Responsibilities:**

* Gathered and analyzed the requirements and converted them into User Requirement

Specifications and Functional Requirement Specifications for the designers and

developers to understand them as per their perspective.

* Worked on object oriented programming (OOP) concepts using Python, Django and Linux.
* Developed web-based applications using Python, Django, XML, CSS, HTML, JavaScript,

Angular and JQuery.

* Experience with JSON based REST Web services and Amazon Web Services (AWS)
* Worked on Amazon services like Amazon Cloud EC2.
* Added support for Amazon AWS and RDS to host static/media files and the database

into Amazon Cloud.

* Experience in writing Sub Queries, Stored Procedures, Triggers, Cursors, and Functions

on MySQL and PostgreSQL database.

* Worked in agile and waterfall methodologies with high quality deliverables delivered

on-time.

* Experience with Unit testing/ Test driven Development (TDD), Load Testing.
* Developed the required Schema documents and implemented the framework for parsing

HTML documents.

* Involved in Unit testing and Integration testing.
* Worked on AJAX framework to transform Datasets and Data tables into

HTTP-serializable JSON strings.

* Worked on Python openstack API
* Using Subversion version control tool to coordinate team-development.
* Responsible for debugging and troubleshooting the web application.
* Designed and developed the UI of the website using HTML, XHTML, AJAX, CSS and

JavaScript, also used Bootstrap as a mechanism to manage and organize the HTML

page layout

* Wrote and executed various MYSQL database queries from Python using Python-MySQL

connector and MySQL db package

* Involved in development of Web Services using SOAP for sending and getting data from

the external interface in the XML format

* Added support for Amazon AWS S3 and RDS to host static/media files and the database

into Amazon Cloud.

* Worked on development of SQL and stored procedures on MYSQL
* Engaged in Design, Development, Deployment, Testing and Implementation.
* Responsible for debugging the project monitored on JIRA (Agile)
* Performed troubleshooting, fixed and deployed many Python bug fixes of the two main

applications that were a main source of data for both customers and internal customer

service.

**Python Developer**

***Commercial Investment Group Livingston, NJ Nov 2009 - Dec 2010***

**Description** :

CIT Group Inc. is a financial holding company incorporated in Delaware and headquartered in Pasadena,

CA. The company's name is an abbreviation of an early corporate name, Commercial Investment Trust. It

provides financing and leasing capital to customers in over 30 industries. CIT also operates CIT Bank.

**Responsibilities:**

* Design, develop, test, deploy and maintain the website.
* Interaction with client to understand expectations and requirements.
* Designed and developed the UI of the website using HTML, AJAX, CSS and

JavaScript.

* Developed entire frontend and backend modules using Python on Django Web

Framework.

* Designed and developed data management system using MySQL.
* Rewrite existing Java application in Python.
* Wrote python scripts to parse XML documents and load the data in database.
* Performed testing using Django's Test Module.

**Python Developer**

***Anthem Inc Norfolk,VA Jan 2008 - Oct 2009***

**Description** :

Anthem, Inc. is an American health insurance company founded in the 1940s, prior to 2014

known as WellPoint, Inc. It is the largest for-profit managed health care company in the Blue

Cross and Blue Shield Association

**Responsibilities:**

* Developed UI using HTML, AJAX, JavaScript and jQuery and jQueryUI.
* Designed and developed components using Python. Implemented code in python

to retrieve and manipulate data.

* Worked with the Stakeholders, gathered requirements developed High level

design Detail design documents.

* Implemented database access using Django ORM.
* Developed entire frontend and backend modules using Python.
* Worked with team of developers on python applications for RISK management
* Designed and developed the UI of the website using HTML, AJAX, CSS and

JavaScript.

* Made Django web based apps for Insurance premium calculations.
* Generated property list for every application dynamically using Python.
* Creating unit test/regression test framework for working/new code

**FREELANCE PROJECTS:**

**●** Restaurant reviewer app:

This is a MEAN application that let Users add and review a restaurant .

Features include validation, login and registration and more to come . Allows users to enter,

update, delete a an existing restaurant.

❖ Uses Google Maps API to generate random restaurants around the user's location and

provides directions to get to that location. A future feature will include a “happy hour

finder” based on the selected location.

*Tools Used: Angular 4, node.js, Express, Mongodb, mongoose, Bootstrap, HTML, CSS*

**●** The wall:

A social network app in Django where users can send friend request, post messages on their wall

and then comments on the other posts as well

*Tools Used: Django, Python, Bootstrap, HTML, CSS*

**●** Travel Buddy App:

Multi-page web application. Users can log in and plan trips by choosing when and where trip will

take place. Other users will be able to join trips that other users have created and also can add,

update or remove a trip.

*Tools Used: Django, Python, Bootstrap, HTML, CSS*

**●** Music Playlist App:

A Ruby on Rails app where users can add, update, create a playlist and remove a song and also

users can comment on a song.

*Tools Used: Ruby on Rails, HTML, CSS, Bootstrap .*

**●** Django Poke App:

Created a wall/forum page where users can poke each other. The number of pokes is displayed

on users profile.

The app also has a login and registration feature with validation and it can allow users to post

comments for any message.

*Tools Used: Django, Python, Bootstrap, HTML, CSS*