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Samson T.Demma  
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<https://github.com/coder106>

## INTRODUCTION

I am a Software Developer(currently a Data Engineer working mainly with ETL pipelines using Python, AWS and azure services, Kubernetes and docker. I work mainly with the following programming languages, platforms and tools -> Python and its data science and web eco system, Django, Flask , FastAPI, Pandas, Numpy, PyTorch and much more.

## Programming Languages and Framework

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On advanced level I can programme in Python, HTML/CSS and JavaScript.For data engineering/science I use apache airflow, apache Kafka, pandas, Numpy , SQL, REST and SOAP APIs .

For web related projects I use Flask and FastAPI for prototyping and rapid development while for some projects I have worked in Django and JavaScript.

For DevOps related items I use Terraform, AWS.

## Programming/Computer Science

I have completed the following courses online from Harvard and MIT:

- **CS50 Introduction to the intellectual enterprises of computer science and the art of programming** -Harvard University provided course(2012,2013)
- **6000-Introduction to Computer Science and Programming in Python** MIT(Massachusetts Institute of Technology) 2014
- **Introduction to Computational Thinking and Data Science 6001** - MIT(Massachusetts Institute of Technology) 2015
- **6.006 Introduction to Algorithms 2015-** MIT(Massachusetts Institute of Technology)

## **Achievements, Skills & Certifications**

### **Networking**

I am a **CCNA** certified also completed the **CCNP ROUTE** exam , and has basic understanding of Juniper JUNOS.

### **Platforms**

I am quite familiar with **Unix/Linux** environment and also hold advanced knowledge when it comes to Windows OS system environment.

### **Human Languages**

- English, Amharic, Slovak,Czech on Expert Level  
Swedish & German on super basic level

### **Extra Mentionable Accomplishments,Activities & Interests**

I am quite a regular at **Pycon, Pymeetup, Pydata** conferences and meetups attendee.I was an **International Scholarship** winner to study Natural Sciences in Slovakia 2004(Scholarship exam- inations were in **Physics,Mathematics,English** Language) .My interests include learning new

Programming Languages,Physics (specifically space exploration and Astrophysics), Maths, and I am an avid Chess player.

### **Work Experience**

Python Data Engineer, freelancer

**GoHealth**

**2018-current**

### **Accomplishments/Responsibilities**

Developing and maintain data engineering pipelines using Python and its large ecosystem(Airflow, Pandas, scikitlearn,Numpy) & database systems like

couch-base, SQL , MySQL , PostgreSQL. Building end to end data pipelines(both batch and streaming) using Apache airflow and Apache kafka , AWS web services like Lambda and other cool AWS products, for infrastructure as a code using Terraform to provision permissions, roles and groups. ETL pipelines building using both traditional and new age platforms from MSSQL unto apache kafka. REST and SOAP api end point data extraction using JSON and XML types with Python libraries like son and xmlschema.

**2018**

**Python Software Developer Consultant, freelancer**  
Segron IT Consulting, Interpodia Technology Corp.

**Accomplishments/Responsibilities**

Developing proprietary software products using Python and its amazing ecosystem in Telecommunications field. My responsibility consists of researching, development and testing.Used technology are Python, C, and little bit of robot framework.

Using Python's web framework Django and Django's REST Framework to develop large web apps.

**2/2017-1/2018**

**Network Automation Engineer/Software Developer**  
AT&T Global Network Services

**Accomplishments/Responsibilities**

Creating, maintaining, improving applications created to test geographically allocated centres and mobile devices using **Perl programming Language & Python programming Language and their REST API frameworks**.Data mining, analysis, visualisation using **Python** to

**Accomplishments/Responsibilities**

Teaching Mathematics, Physics, English for individual classes parallel with own studies.

## **Education**

2009–2012 Student

Faculty of Mathematics, Physics and Informatics;  
Comenius University in Bratislava.

2006–2009 Student

Faculty of Electrical Engineering and Information  
Technology; Slovak University of Technology in  
Bratislava.

2004–2005 Student

Language and Academic preparation in Slovak language  
at University of Comenius ,Modra Harmonia, Slovakia.

## **For reference check on**

*To whom it may concern:*

*It's my pleasure to recommend Samson Takele Demma as a skilled professional, knowledgeable in the development and operation of a wide variety of software products and technologies.*

*I worked with Samson for over two years during his tenure with AT&T. Samson was instrumental in deploying, supporting and extending the functionality of the Mobile Experience Testing Automation solution at AT&T. Samson has consistently proven to be an eager worker and strong technical resource.*

*Much of the technology involved in the testing automation solution was new to Samson when he joined the project. In a very short time, with minimal training, he was able to learn to administer and troubleshoot the software, as well as using the tool to code automation scripts.*

During the time we worked together, Samson displayed a willingness to expand his technical knowledge and capabilities. Samson was tasked with taking over as the supporting developer for the web service used by the test automations project to interact with the AT&T SIM provisioning system. The application is written in the Perl programming language and uses the Mojolicious web framework to present a RESTful API. Samson was able to quickly read and understand the code, troubleshoot issues and begin developing new features for the API, providing a great deal of value for the project despite having no previous Mojolicious experience.

Samson possesses excellent communication skills, both written and on the phone. Most recently, Samson has made it easy for me to understand and support a new web service he created using Python Flask despite my unfamiliarity with that technology by providing myself and the team with thorough documentation and frequent updates during development.

I confidently recommend Samson Takele Demma as an experienced software professional. Please feel free to reach out to me at [ndollinger@mobexp.com](mailto:ndollinger@mobexp.com) or +1 (217) 377-6916 should you like to further discuss Samson's qualifications and experience.

Regards,

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[ndollinger@mobexp.com](mailto:ndollinger@mobexp.com)

+1 (217) 377-6916

#### Recommendation Letter

I worked with Samson for several months in 2016 during which he delivered solid performance in all

aspects of his work. He was assigned to one of the most challenging customer accounts and he did a good job of handling this demanding customer thanks to his technical expertise and communication skills.

Being able to quickly adapt to changes is crucial in nowadays business environment and Sam-son proved that he can promptly adjust to new processes. One of his biggest strengths are his friendly and "I can help you with that" attitude which really helps with improving the collaboration with other teams. I considered his eagerness for self-development on the highest level in the team and he could really put to use his extra programming skills – e.g. creating a script to automate the process of updating comments in one of the tools which was a painful repetitive/manual task. He also volunteered later to look into the possibilities to automate another important aspect of our work so I really appreciated his willingness to go the extra mile to help us all improve our performance.

I consider the drive for self-development as one of the key attributes for a good employee in today's demanding environment and therefore I would be happy to have Samson on my team knowing that whatever skillset/knowledge he might be missing for a certain assignment, he would be ready to invest the needed time to improve and develop to deliver the needed results.

Overall, Samson is a great team player with the right attitude and I very much enjoyed to have him on my team.

Best regards,

**Julius Humenansky**

Area Manager – BizOps  
Global Operations & Planning

**AT&T Global Network Services Slovakia**

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