

Case Study: Python Developer/Data Engineer

We helped Cavin advance his career in the US after relocating from India.

>>> Here's what he had to say about our work:

Cavin D'souza <[redacted]>
to Fatemah ▾



Wow, that was awesome Fatemah. I'll be sure to wear my glasses before I attempt to see and understand. Thank you so much for your help. I am now more confident in how I am supposed to tread during the interview.

Last but not the least, your Resume creation and LinkedIn profile re-write definitely got me motivated to apply for Python Developer roles, and it clicked with this startup and they offered me an invite. This job means the world to me and marks an end to the depressing times I spent knowing that I'm late in securing a full-time.

I've bugged you a lot for so many things in the past and you've helped every single time. I'm truly grateful to you for everything.

Cavin's backstory:

Cavin had recently relocated to the US and was enrolled in a Master's program. He was looking for internships during his Master's and preparing for jobs afterward.

But with all his prior experience being from another country (India), he was having difficulty in getting selected.

The Problem:

His resume and LinkedIn weren't strong enough to support his goals. Some of the issues in his resume were: a weak first impression, a lack of accomplishments, and a structure that emphasized his foreign experience*.

Similarly, his LinkedIn also failed to impress with a weak headline and summary, and missing accomplishments.

**Foreign experience may be dismissed by employers as irrelevant to the American market.*

Our Approach:

We optimized his resume and LinkedIn and provided him with continuous support throughout his job search.

Coached him into understanding the value he brought. Helped him open up to roles, like Python Developer.

For the resume we used an ATS-friendly format and:

- 1** Created a strong first impact by keyword-optimizing the first few lines. Highlighted his key skills and personal brand.
- 2** Packed the resume with accomplishments that employers would salivate for.
- 3** Structured the resume to his advantage. Highlighted his project work and de-emphasized foreign experience.

Where is Cavin now?

After completing his master's, Cavin landed a Junior Python Developer role at MarketDial. He went on to be promoted to a Data Engineering role.

Currently, he works as a Senior Data Engineer at Crux.

Would you like us to optimize your job application, too?

Click here to invest in our services.

[Book Service](#)

If you prefer to speak to us about our services first, click here to schedule a consultation call with us.

[Call Us](#)



Warning: The following pages have been saved as images in order to protect Cavin's work as well as our work from being copied and indexed. As a result, uploading this exact file into an Applicant Tracking System will not work. If you are interested in hiring him, please email us at contact@careertuners.com.

Here's the resume we made for him:

CAVIN DSOUZA

951.284.5404 | contact@careertuners.com | Irvine, CA 92618 | [LinkedIn](#)

Designs and implements tools for automated deployment; resolves issues in production instances; enables continuous integration.

Software Development & Engineering ♦ Python Object-Oriented Programming ♦ Designing & Implementing Software Solutions

Python Programming/Scripting
Process Automation & Optimization
Troubleshooting & Debugging Issues

Cross-Functional Collaboration
Technical Documentation
Customer Service Management

Python, C, C++, C#, R
Java, MATLAB, X++
Best Practices & Compliance

TECHNICAL SKILLS

Web Design:	HTML, CSS, JavaScript, Bootstrap
Databases:	Microsoft SQL Server, MySQL, Postgres SQL
Tools:	MS Visual Studio, Python IDE's, Adobe Dreamweaver, Eclipse, Tableau
Platforms:	Windows, Linux (Ubuntu)
Certifications:	The Complete Web Development Bootcamp, The Complete SQL Bootcamp, Intermediate Python for Data Science, MS Dynamics AX 2012 R3 CU8 Development Introduction

EDUCATION

MS in Computer Science, Indiana University Bloomington Expected May 2018

Courses: Algorithm Design, Artificial Intelligence, Advanced Operating Systems, Advanced Database Concepts

- ♦ **Strassen's Matrix Multiplication Algorithm:** Carried out extensive Python coding and implemented Strassen's multiplication algorithm to compare its time and complexity with naïve; identified Strassen's multiplication provided efficient time analysis.
- ♦ **Analyzing User Reviews on Yelp:** Analyze seasonal and cultural trends on the Yelp dataset; performed sentiment analysis on user reviews using AFINN word list and Liu Bing's lexicon method; converted JSON dataset into CSV file for analysis.
- ♦ Predicted ratings of reviews on a set of review texts using frequency-inverse, documented frequency matrix, and achieved 66% accuracy using support vector machine classifier. Visualized complex dataset using Python libraries and Tableau.
- ♦ **Social Media Non-Usage:** Performed sentiment analysis using Python to identify factors leading to Facebook abandonment; scraped 13-years data from a tech-savvy site using BeautifulSoup and automated data transfer to a Postgres SQL database.
- ♦ **Kernel Programming in Xinu OS:** Designed and developed system calls and methods to implement synchronization using semaphores and futures in C++; implemented an in-memory file system for Xinu OS and allowed processes to run concurrently.
- ♦ **Artificial Intelligence:** Utilized A* algorithm and Python programming to identify the shortest route from one place to another.

BS in Electronics & Telecommunication Engineering, University of Mumbai 2013

Courses: Computer Programming I, Computer Programming II, Image Processing

- ♦ **H.264 Video Error Concealment:** Implemented a spatiotemporal boundary matching algorithm in the Visual Studio to hide errors distorting the video signal during transmission over digital links. Found outer boundary matching algorithm to be more accurate than boundary matching algorithm by comparing performances.

PROFESSIONAL EXPERIENCE

Assistant Manager, Godrej Infotech Ltd. 01/2014 – 06/2016

Designed customized software solutions for several clients at this company providing IT solutions to engineering and service sectors.

- ♦ Designed an in-house scalable payroll product from scratch based on client's country-specific regulations to facilitate streamlining and automation of the payment process; carried out thorough testing to fix bugs. The product achieved Microsoft Certification.
- ♦ Contributed to a technical white paper describing the upgraded aspects of the payroll product for clients' reference.
- ♦ Saved thousands of labor hours by automating information entry of 400 thousand employees into an HR model for a client company; developed a code to read information from an Excel file.
- ♦ Designed functionalities and SSRS reports on trial balances, monthly timesheets, and invoices for projects using MS Dynamics AX. Trained offshore clients on using the ERP solution for workflow development and assignment of security rights.
- ♦ Developed an integration-based model for a client to automate processes like vendor, customer, invoice, and journal creation.

And here's the resume he was using before he worked with us...

Cavin Dsouza

EDUCATION

Indiana University Bloomington, Bloomington IN

May 2018

Master of Science in Computer Science

Courses: Algorithm Design, Artificial Intelligence, Advanced Operating Systems, Data Mining, Social Media Mining.

University of Mumbai, India

July 2013

Bachelor of Engineering in Electronics and Telecommunication

Courses: Computer Programming I, Computer Programming II, Image Processing.

TECHNICAL SKILLS

Languages: Python, MATLAB, C, C++, Java, R, X++

Web Design: HTML, CSS, Javascript

Databases: Microsoft SQL Server, MySQL.

Tools: Microsoft Excel, Microsoft Visual Studio, Microsoft Office, VMware

Platforms: Windows, Linux (Ubuntu).

Certifications: Microsoft Dynamics AX 2012 R3 CU8 Development Introduction

PROFESSIONAL EXPERIENCE

Godrej Infotech Ltd., Mumbai India

Assistant Manager

January 2014 - June 2016

- Extensively enhanced the company's in-house payroll product as per the new regulations of Saudi Arabia's payroll policy. The product has now achieved Microsoft Certification.
- Contributed in writing a technical white paper describing the upgraded aspects of the payroll product that is widely used as reference by the company's clients in the middle-east region.
- Designed functionalities and SSRS reports for trial balances, monthly timesheets, invoices, customer aging for mostly implementation projects on AX 2012 R3.
- Trained Saudi based clients to use the AX 2012 development environment for development of workflows and assignment of security rights.
- Developed an integration based module for an Indian client to automate complex processes like vendor/customer creation, invoice/journal creation and posting.

ACADEMIC PROJECTS

Analysing Cultural and Seasonal Trends in User Reviews on Yelp:

February 2017 - Present

- Intend to perform sentiment analysis on the user reviews in the Yelp dataset to come up with useful information of popular category of business, favourable location, and existing competition etc. thereby providing meaningful profit or loss insights to businesses.

Analysis of Strassen's Matrix Multiplication Algorithm:

November 2016 - December 2016

- Implemented Strassen's Matrix Multiplication Algorithm and compared its time complexity to the naive and recursion matrix multiplication algorithms.

Kernel Programming in Xinu OS:

November 2016 - December 2016

- Designed and developed system calls and methods for implementing synchronization using semaphores and futures.
- Implemented an in-memory file system for the Xinu operating system.

H.264 Video Error Concealment:

August 2012 - May 2013

- Facilitated hiding the errors that distort the video signal during transmission over digital links in such a way that the end user has smooth viewing experience with minimal distortion or error.

Simulation of Walsh, Hadamard, Haar and Slant transforms:

April 2013

- Conducted a research on the effect of non-sinusoidal transforms applied to a digital image and compared their performances in terms of Peak Signal to Noise Ratio (PSNR) parameter.

HONORS AND AWARDS

- School topper in Secondary School Certificate Examination.