Giran Moodley

Address: 4A Bennett Park, Blackheath, London, SE3 9RB
Phone: +44 7891 266802
E-mail: giranmoo@gmail.com
LinkedIn: http://www.linkedin.com/in/giran

Personal Statement

I am a technology professional looking to secure a position which can cultivate my strong analytical abilities, support expertise and inquisitive nature in a practical and fast-paced environment. My former roles have equipped me with an expansive set of technical and social skills, along with a track record of building credible relationships with clients, exceeding target quotas and being resilient in the face of adversity.

My current role is working within Level 2 Support for Imagine Software, where I assist clients with real-time risk and portfolio management within the hedge fund and investment banking domain.

Ultimately my career goal is to obtain a developer role that would enable me to utilize my programming experience, quantitative skills, and financial technology background as well as actively contributing to the future development of the company I would work for.

Specialities: MATLAB, Python, Object-Oriented Design Methodologies, JavaScript, JSON, REST, Amazon EC2 and SQL.
Working Knowledge: HTML, CSS, jQuery, Flask, MongoDB, Git, Excel VBA, C++ and Java.

Work Experience

Level 2 Support at Imagine Software, London (November 2015 – Present)

Promoted to Level 2 Support after 10 months, my current responsibilities include:

- Providing technical and quantitative solutions pertaining to the Imagine Trading System and the Imagine Financial Platform; our API used to leverage Imagine's powerful analytics through REST, Python and JavaScript.
- Client retention for escalated issues of a serious nature.
- Performing extensive testing on our products for critical failures and liaising with the development team for fixes.
- Training new and existing users with Imagine's products, on-site and online.
- Coordinating with the consulting team to provide post implementation support for new clients.

Trade Support Analyst at Imagine Software, London (January 2015 – October 2015)

Working as a Trade Support Analyst for Imagine, my tenure included:

- An outstanding track record of cases resolved; being the top support analyst globally for a total of 5 months.
- Acted as the primary contact for client issues via the phone, e-mail and online chat.
- Consulted clients in a timely manner through meticulous research and testing; providing the best solution where applicable within the Imagine Trading System.
- Provided P&L, Value at Risk and trade validation for clients' on-demand.
- Performed UAT testing and software development using Imagine's JavaScript API (Imagine Financial Platform).
- Liaised with 3rd party providers on behalf of the client to resolve time-sensitive errors.

Customer Service Assistant at William Hill, Birmingham (September 2013 – May 2014)

During my studies at the University of Birmingham, I worked for William Hill as a Customer Service Assistant.
As a vital team member, my main achievements included:

- Surpassing target stakes with a turnover of £85,209 over a 5-month period, from January till May 2014; an increase of 25% compared to the previous 5-month period from 2013.
- Efficient operation of the workstation to give effective pricing strategies in a fluctuating market.
- Provided a favourable betting experience through delivering a professional and friendly service.
- Managed the shop floor during the interim of staff rotation.
- Understanding and fully complying with UK Gambling Commission regulations.

Education

University of Birmingham (2010 – 2014)

Master of Science (M.Sci), Applied Mathematics, Class I with Honours.

Master's Thesis: "Fluid Mechanics of the Human Reproductive System" obtaining 73%.

I successfully implemented a mathematical model to simulate the movement of a sperm cell under the supervision of Dr Daniel Loghin and Dr David J. Smith. This model was formulated by studying the biological parameters of the cell and solved with MATLAB using the Finite Element Method. Each simulation rendered a solution vector with around 700,000 entries, requiring 12GB of RAM. Repeated experiments with different parameters proved to be computationally intensive for a home computer workstation. Thus, Amazon's Elastic Cloud Compute Service delivered fast and accurate results for the analysis, reducing execution time from 5 days down to 12 hours. These results were used to highlight potential causes of infertility and provided scope for future areas of research.

Key Skills gained:

- Analytical and conceptual inference; a meticulous approach by solving challenging problems.
- Ability to handle and present complex data innovatively developed through various assignments, reports and presentations.
- Fluency with advanced numerical packages such as C++ and MATLAB.
- Experience with cutting-edge computing methods such as Cloud/Distributive Computing.
- Applications of Mathematics used in key industries such as Finance, Research and Technology.

Modules of importance:

- Mathematical Finance - European, American and Exotic Options Pricing, Black-Scholes Model and Binomial Methods
- Further Mathematical Finance - Multi-Asset Options, Crashes, Hedging, Stochastic Control and Monte Carlo Methods
- Medical Statistics - Epidemiology, Survival Analysis, Clinical Trials, Systematic Reviews and Bayesian Statistics
- Research Skills in Mathematics - Mathematical Formulation Of The Finite Element Method
- Computational Methods and Frontiers
- Transform Theory and Numerical Methods in Linear Algebra
- Partial Differential Equations and Reaction-Diffusion Systems in Chemistry and Biology
- Viscous Fluid Mechanics with Applications

Societies: MathSoc, Brum Digs House, 1210 DJ Society.

St Martin's School & Sixth Form (2005-2009)

A-Levels: Mathematics, Physical Education, Physics.
GCSEs: 10 with grades A to C across subjects such as Mathematics (A), Statistics (A), English Language (B) and Double I.T (B).

Hobbies & Interests

Since 2007, I have been producing music independently with signings to some of the world's leading independent music labels such as Anjunadeep and Alter Ego Records. I have had industry support from prominent acts such as Paul Oakenfold, Jaytech, Daniel Kandi and Above & Beyond whose podcast "Group Therapy" is broadcasted to around 30 million people globally each week.

In 2005, I achieved the Bronze Duke of Edinburgh Award working for an award winning youth magazine called "Zeal." We focused on addressing the social and emotional issues of teenagers as well as sports, fashion and music.

References

References are available on request.