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Analogic Corporation,
Boston, MA, US

Re: MGEN Software ENG

Dear Hiring Manager:

I am writing to express my interest for Software Engineer Intern. In order to secure a career in software development, I would like to make use of Co-op/Internship to gain practical experience while working with Analogic Corporation.

I am a graduate student currently pursuing Master of Science in Information Systems at Northeastern University with the focus on software development and big data development. I have two years of work experience as a Software Engineer in Aricent, India where I acquired in-depth knowledge on web Development and Database Management. While I was in Aricent, I gained hands on experience in object oriented design and programming languages such as Java, Javascript, J2EE, HTML, CSS. I have also designed, developed and maintained relational database MySQL which is used for back end database connectivity to the web application. I have worked in Agile/scrum software development methodology which includes various phases such as planning, requirement gathering, designing, developing, testing and maintenance in iterative way. I have experience working in both windows and Linux environment.

During my previous semester in Northeastern University, I have developed web application named Foster Care Management System to manage all different kinds of orphans and families sponsorships keeping the information of the orphans, families and individuals safe with a powerful, accurate and time cutting in getting the required information. I have also developed Java Swing application for 'Real Time Crime Management System' using an Ecosystem Model and implemented Google Maps Geocoding API through an HTTP interface to track latitude, longitude of current location and generated JFreeChart for Business Intelligence reports. In my undergraduate in computer science and engineering I have developed Health insurance MVC web application that claims insurance utilizing actuarial risk adjustment strategies using C# in ASP.NET framework and coded JavaScript, AJAX for creating interactive web pages. Further, developed advanced stored procedures, functions, queries that process vast amounts of data for insurance claims.

As a graduate student, I have been exposed to Big Data Hadoop Java-based programming framework that supports the processing and storage of extremely large datasets and NoSQL database. I have analyzed correlation between movie and FBI crime dataset whether the movies has any influence on rate of crimes happening across the cities using Elastic Map Reduce (EMR) cluster on Amazon Web Service(AWS). Also created HBase tables to load large set of both semi-structured, unstructured data. I have also used Big Data querying tools, such as Pig, Hive, MongoDB

I am actively seeking an opportunity to work in a challenging environment which Analogic Corporation offers, where I can provide software solutions and contribute towards the advancement of the company. Working Analogic Corporation will provide me solving complex problems and being part of one of the fastest growing, most ambitious engineering teams in the world.

I am confident that my experiences, skills and strong interests in software development qualify me for consideration to be a strong candidate for your organization. I have attached my resume and look forward to discussing my qualifications with you. Thank you for your time and consideration. You can reach out to me at (857) 707-8992 by phone or by email at ghanasegaran.d@husky.neu.edu

Respectfully,

Deivakumaran Dhanasegaran