Technical Profile

Syed Saniul Ahsan

Kadirabad Housing (Beside Mokbul Hossain College)

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Portfolio: http://saniulahsan.info/repositories

SOFTWARE DEVELOPMENT LEAD

Skills include:

- Software Development
- Knowledge in Parallel Processing
- Knowledge in Image Processing

- Requirements Analysis
- Knowledge in Bangla Font
- Knowledge in Enterprise Web Development

- Knowledge in Analytics

TECHNOLOGY SUMMARY

Programming	**Languages:** C++, JavaScript, PHP, Python
	Mobile Platform: ReactNative
	Backend: PHP, Python, JavaScript
	Front End: JavaScript, jQuery, ReactJS, Bootstrap
Databases	PostgreSQL, MySQL, Mongo DB
OS	Windows (7/10), Linux (Ubuntu 16.04)

ImposterCorp (Startup)

Front End Lead February 2018 to Present

Roles: Leading entire front end team technical team to bring innovative products of our own.

- Develop new user-facing features.
- Build reusable code and libraries for future use.
- Collaborate with other team members and stakeholders.
- Keeping the bridge between backend and frontend to maintain the application.

Projects:

- **Cartistic BD online shop from Amazon and AliexPress**:
  This online shop brings down product to Bangladesh from China market and USA market.
  This whole front end is developed using Single Page Application architecture and uses
  JavaScript as language for front end. Along with admin panel.
  [https://cartisticbd.com]

- **Live Watch Movie Site**:
  Live movie watching site for movie lovers. Both site and admin panels front end build with
  jQuery SPA and compatible to download movie and series information from IMDB using one
  click only.
  [http://two-movies.to]

- **Accounting system for Internet Provider**:
  Internet billing, accounting system and package tracking monitor system with ISP Report
  generation.
  [http://furiousnet.net]

- **Android App for BLRI**:
  This android application is for maintaining various domestic animal by providing ratio food
  supplement and other criteria.

Cybernetikz

Various Roles, October 2014 to January 2018

Software Engineer (August 1, 2016 - January 31, 2018)

Roles: Leading entire technical team to bring innovative products of our own.

- Extension and Application development by designing database architecture and using WordPress CMS, PHP/PHP frameworks, MySQL and JavaScript.

- Analyzing user requirements by designing, streamlining, upgrading new features and functionality and studying existing technology architecture.

- Application development by maintaining deadlines and project development methodologies using PHP/PHP frameworks.

Projects:

- **Park system product comparison & quotation management**:
  An online system built with PHP and MySQL database for creating and managing price based product for park systems. It is a role based system for generating pdf product quotation for park system and used for sending to the user. This system also work for comparing the entered product with one another along with the comment system.
  [http://rfq.parkafm.us/pro]

- **AZ therapy hub:**
  A HIPPA Compliant application for managing the pediatric therapist and clients inside the state of Arizona. It includes: School Time sheet integration, Payroll Integration, Seamlessly Email Quarterly Reports, Evaluations, and soap notes via secured messages, Pending document management, Download 100's of claims at one time seamlessly upload for billing to insurance, Document management integration, Compliance document management, Library Integration, OIG exclusion system. [http://nygeeks.info/heartland]

- **Covalent media leads management:**
  Covalent media is a huge traffic based application for organizing leads and surveys all over the world. Worked as support on the system and adding small features to it.
  [http://leads.covalentmg.com/admin]

Junior Software Engineer (October 1, 2014 - July 31, 2016)

Roles: developing web applications according to client specifications.

- Supporting the technical design process by participating in the analysis of technical application requirements.

- Assisting in implementing analyses that will identify requirements related to people, processes & technology.

- Participating in execution and documentation of tests.

- Executing conversion plans and documenting possible improvements; identifying disruptions in the processes.

Junior Software Engineer (January 1, 2014 - September 30, 2014)

Roles: creating, optimizing and testing front end templates.

- Developing new user-facing features using HTML5, CSS3, JavaScript, jQuery & Bootstrap.

- Optimizing application for maximum speed and Scalability using Google PageSpeed Insights and GTmetrix.

- Supporting the technical design process by participating in the analysis of technical application requirements.

- Assisting in implementing analyses that will identify requirements related to people, processes & technology.

- Learning new tool set to achieve technical goals.

Other Projects (Personal, University and Freelancing)

Faster Image Segmentation Using Parallel Mean Shift Algorithm:
This dynamic mean shift algorithm updates both the sample space and the "mean", which is a subspace of the sample space. In general, mean shift uses a window and repeat it until it finds the last input point. We followed the Single Program Multiple Data (SPMD) model for parallel implementation which divides the input data (i.e., image) into multiple parts according to the number of available cores. For example, if a CPU has 4 cores, it will partition the input image into 4 parts and each part will be processed by a single processing unit. Finally the segmented partitions are merged together to get the output image.

Online Chat System:
A USA based online dating portal for muslins. Here you can find your partner and get connected to him / her. Like a Facebook application in a small manner. Messaging, Blocking, Friend Request all you can do with it. [Link]

Aleps Learning Centre:
ALEPS, is an online based learning system that covers four learning styles based on the implementation of VARK model – where VARK is the acronym for Visual, Auditory, Read/write, and Kinesthetic. An easy to learn system that is adopted by the universities of Malaysia and Singapore. [Link]

WooCommerce Sales Limit Plugin:
The aim of this project is to limit sales through a woocommerce web site depending on the total amount of sales per month. It Sets a sales limit ($ amount), Sets a start date (day of month), Sets a notification email address (admin), When the sales limit is reached then send an email to the admin and stop woocommerce from accepting new orders and issue a site notice.

Room Reservation System:
Conference room booking system for the registered user of the system. A calendar based system where people can reserve room on demand. First come first serve based system like hotels and similar to ticketing system. Admin user can manage the schedule and remove and reschedule them. [Link]

Ecommerce Business Plugin for Google Book:
This plugin imports book from Google Books API using only the ISBN Serial of the book. By uploading the spreadsheet of the ISBN it simply downloads the book info and store it as a woo commerce product with quantity and price.

Ecommerce Account Tracking System:
This plugin works for the WordPress woo commerce system that has multiple store all over the net. Pulls sales data from all the store when they purchase and pay for a product and at the same time store in the 3rd party account system. (Google data, Spreadsheet etc.)

Ecommerce Product Comparison and Quotation Management:
An online system built with PHP and MySQL database for creating and managing price based product for park systems. It is a role based system for generating pdf product quotation for park system and used for sending to the user. This system also work for comparing the entered product with one another along with the comment system. [Link]

Business Leads Management:
Covalent media is a huge traffic based application for organizing leads and surveys all over the world. Worked as support on the system and adding small features to it. [Link]

Ecommerce Book Store Plugin:
Plugin for an online book store. [Link]

Ecommerce Mail Invoice Tracker:
A simple yet powerful tool for email marketing and online business. This system tracks email record of the mail that is sent to the user. Either they received it or not, Ip address, their system, location, device and many more information. Except this it also has a scheduler that tracks down the business invoice and pull the records from the file and push it into the users accounting system.

Online Campaign Tool:
Email marketing tool for online business startup or who likes to grow their business at a rapid rate. Surveys and online campaign monitoring also included.

Ecommerce Product Import Automation:
A new way of scrapping large ecommerce sites using laravel dusk. Basically this is a browser based selenium automation for scrapping new products from different ecommerce site by login as a bot and storing the products to the database. It also checks for new products and update the store according to it.

Private university info app:
HTML CSS JS based static application for EWU university student's project, ported to android system for getting the information of the leading private universities of Bangladesh. [Link]

Movie search app:
It's a primary working phase on working with android studio and java. I did this on learning purpose and used recycler view, volley, Picasso and some android widgets. Basically this app contains a splash screen and requires a login for a new user and gives the user to search for movies, series and shows in recycler view. After that it shows a detailed information of the topic on click. [Link]

*** For more of my works and thoughts, Please visit my portfolio site: http://saniulahsan.info/repositories

EDUCATION

☐ **BSc Hons. Computer Science and Engineering, 2014**

KHULNA UNIVERSITY

CGPA – 2.69

☐ **HSC. (Science), 2008**

NEW GOVT DEGREE COLLEGE, RAJSHAHI

GPA-5.00

☐ **SSC (Science), 2006**

GOVT. LABORATORY HIGH SCHOOL, RAJSHAHI

CGPA – 5.00

RESEARCH INTERESTS

- A Survey in Recent Trends and Techniques in Image Segmentation: Raj Kumar Sah, Pratiksha Gautam, Saniul Ahsan (2017); A Survey in Recent Trends and Techniques in Image Segmentation; Int J Sci Res Publ 7(9) (ISSN: 2250-3153). http://www.ijsrp.org/research-paper-1117.php?rp=P716944

- Faster Image Segmentation Using Parallel Mean Shift Algorithm: Islam, M. Z., Ahsan, S., Shah, R. K., & Rahman, G M A. (2016). Faster Image Segmentation Using Parallel Mean Shift Algorithm. Paper presented at 5th International Conference on Informatics, Electronics and Vision, Dhaka, BD.

OTHERS

- **Site:** http://saniulahsan.info
- **Portfolio:** http://saniulahsan.info/repositories
- **LinkedIn:** https://www.linkedin.com/in/saniul-ahsan-8
- **WordPress:** https://profiles.wordpress.org/saniulahsan#content-plugins
- **GitHub:** https://github.com/saniulahsan12

EXTRA CURRICULAR

☐ **Hobbyist Guitarist**
☐ **Hobbyist Photographer**