

Mohammad Emran Hasan

Technology Entrepreneur, Software Architect

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Summary

I am a Technology Entrepreneur by profession and a Software Architect by passion. I have been involved in several technology companies in the role of CTO and have contributed in the overall advancements of each of the companies. My specialty is architecting and developing scalable, enterprise ready web applications for local and international businesses.

I have over 10 years of experience in IT industry and web application development. During these years I have worked as Team Leader, Software Architect and Technical Lead. Having a fast learning ability and adaption mindset, I can pick new technology and can blend them to solve critical needs in current projects. I was involved in large-scale projects in different areas of business.

I have developed and architected a wide range of solutions including central e-government portal of an entire country, full-featured social community (pre-facebook), multi-tenancy business intranet, business process automation, large scale e-commerce portals, custom content management systems (CMS), etc.

I am a Zend Certified Engineer (ZCE) in PHP5. I consider myself as a code craftsman. I write clean code which can be understood easily, follows general OOP principles, easy to extend, and robust in nature. I write unit tests to ensure the desired behavior of my code. If my team members can cope up, then I'd opt-in for TDD. I often blog on in my personal blog on technology and sometimes speak at local technology conferences.

Specialties:

- Programming Language (PHP, JavaScript, NodeJS, Ruby)
 - RDBMS (MySQL, PostgreSQL, SQLite)
 - NoSQL (MongoDB, Redis, CouchDB)
 - Specialized searching (Apache Solr, Elasticsearch, Zend_Lucene)
 - Javascript Frameworks (jQuery, Backbone.js, Angular)
 - MVC frameworks (Symfony2, Laravel 4, Zend Framework 1/2, CodeIgniter, Rails, Express)
 - Distributed job queue system (ØMQ, Gearman, IronMQ)
 - Different levels of caching (Memcached, Redis, ESI, Varnish)
 - API integration (REST, SOAP, XML-RPC)
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Experience

Chief Software Architect at Loosemonkies

March 2012 - Present (2 years 2 months)

Loosemonkies.com is the future of Recruitment. It brings Recruitment 4.0 to the marketplace by providing an innovative, intuitive, interactive and user-inspired community that encourages two-way communication.

Lead Developer

- Team leader in a team of 8 full-time developers
- Architect of the technical setup of Loosemonkies.com
- Conducting HR interviews for technical applicants
- Assisting executive team in planning and prioritizing product features

Backend Development

- Architect of the SOA-based system architecture
- Architect of MongoDB + MySQL based flexible data schema
- Service Layer implementation using Symfony2
- Gearman based queuing system with different channels
- Efficient matching algorithm implementation
- Performance tuning and event logging
- Search and autocomplete functionality through Elasticsearch

Frontend Development

- Architect of Backbone.js based single-page frontend application
- Implementation of several core modules using object oriented JS
- Pub-sub implementation with PusherJS for messaging module

Infrastructure

- Management of full infrastructure based on Amazon AWS (EC2, S3, ElastiCache, RDS, SES, ELB)
- Monitoring and performance evaluation

Chief Software Architect at eMicroGraph Business Solution

January 2012 - Present (2 years 4 months)

eMicroGraph is a full-service web and mobile development shop with a history that begins in 2001. Since its beginning, it has made rapid progress from a small website shop to a full blown web and mobile application development company.

My primary responsibility in eMicroGraph lies in architecting the major client applications to ensure scalability and growth. I work with potential clients to realize their vision into working product. I oversee the HR interviews of technical applicants.

Founder, CTO at Right Brain Solution Ltd.

February 2007 - Present (7 years 3 months)

Right Brain Solution is one of the leading software development companies in Bangladesh. We provide high quality off-shore development of web/software solutions for clients in North America (Canada/USA) and Europe. We also provide e-Governance solutions to the Government of Bangladesh. We built the National Portal Framework for Bangladesh Government - one of the largest centralized portal engine in the world.

My primary responsibility in RBS lies in architecting the major client applications to ensure scalability and growth. I work with potential clients to realize their vision into working product. I oversee the HR interviews of technical applicants. And I speak at the internal knowledge sharing sessions.

2 recommendations available upon request

Lead Trainer, OOP in PHP at Bangladesh Association for Software and Information Services

March 2011 - March 2012 (1 year 1 month)

Bangladesh Association for Software and Information Services (BASIS) provides industry specific training to prepare IT professionals for their job. Being the association of the software companies, they are in a unique position to assess and provide the right professional education.

I drove their Object Oriented Programming (OOP) in PHP course where I taught the course students how to build high quality, real world PHP applications with the power of OOP.

Topics of the course:

- OOP
- Design Principles and Patterns
- Test Driven Development
- Code Smell and Refactoring
- Web Security
- Development best practices

Senior LAMP Consultant at Earth.org

October 2009 - February 2010 (5 months)

Earth.org is a collaboratively written travel guide with a non profit approach. The company's vision is to provide free and reliable travel information in a similar style as Wiki. The website offer users to view or write articles about travel destinations.

My responsibilities included:

- Development of a number of mashups including Facebook Connect.
- Participation in overall architecture development
- Overseeing development of other junior team members

Development Manager at Trippert Labs Inc

November 2007 - March 2008 (5 months)

Trippert Labs builds games and applications on the web, in social networks, and on the iPhone. They are at the intersection of the social web, multiplayer 3D gaming, and user-generated content. Trippert Labs works with web and 3D technologies ranging from LAMP, Flash, and Shockwave to Objective-C and OpenGL.

My responsibilities included:

- Development of Facebook based RPG Games
- Development of custom PHP/MySQL projects
- Management of team members

Development Engineer at Pageflakes Ltd.

May 2006 - June 2007 (1 year 2 months)

Pageflakes is a personalized AJAX home page service with key features being customized widgets, an RSS reader and group sharing capabilities. Pageflakes allows you to put all your web favorites, including news, email and search engines, onto one personalized page using "flakes", or widgets. Competitors include Netvibes, My AOL, My Yahoo and iGoogle.

My responsibilities included:

- Development of flakes (widgets) for the platform
- Development of tools to streamline various work processes.
- Troubleshooting of flakes (widgets) that needed care.

2 recommendations available upon request

Web Application Developer at somewhere in...

May 2005 - October 2006 (1 year 6 months)

Somewhere in... is a nordic ventrue operating in Bangladesh. They have pioneered the blogging and social media in Bangladesh by building the first ever community blog, "Badh Bhangar Awaj".

My responsibilities included:

- Development of the first ever community blogging platform Badh Bhangar Awaj
- Design and development of custom web applications using PHP/MySQL
- Development of client-specific Content Management System (CMS)

4 recommendations available upon request

Freelance Developer (Self-Employed)

January 2002 - April 2005 (3 years 4 months)

Worked in both Desktop and Web platform and built solutions for more than 25 clients from all over the world.

Courses

Independent Coursework

Agile Project Management

Extreme Programming (XP)

Functional Programming Principles in Scala

Projects

Loosemonkies

December 2011 to Present

Members: Mohammad Emran Hasan, Himel Nag Rana, Md. Mahabubul Hasan Masud, Asad Rahman, Mamun Khandaker, Raju Mazumder, Kousik Roy, Md. Moinul Islam, Jahidur Rahman

A new brand of job portal that will change the way people search for jobs!

SimplySendBD

October 2012 to Present

Members: Mohammad Emran Hasan, Raju Mazumder, Md. Mahabubul Hasan Masud, Himel Nag Rana, Jahidur Rahman, Syful Islam Noman

SimplySendBD is the easiest method to send money to anyone in Bangladesh. All you need to do is add funds to your free Payza account. Then log in to SimplySendBD.com with your Payza username and password. The hardest part? Deciding how much you want to send.

Toronto.com

March 2013 to Present

Members: Mohammad Emran Hasan, Noor Khan, Samiul Amin Shanto, Roni Kumar Saha, Rabeya Tasnim Huq

Toronto.com is Toronto's leading online entertainment guide. Be in the know about where to go and what to do in the city of Toronto. Get entertainment news, find events, restaurants, hotels, movies, shopping and things to do in downtown toronto and much more.

Wheels

March 2012 to Present

Members: Mohammad Emran Hasan, Dan Branco, Noor Khan, Samiul Amin Shanto, Md. Sirajus Salayhin, Yan Shcherbakov, Nicole Artelt, Kenoy Kadakia, Rakibul Islam

Devnet Exam System

October 2011 to Present

Members: Mohammad Emran Hasan, Md. Eftakhairul Islam, Md Sakib Al Mahmud, Syed Abidur Rahman

An integrated solution for universities that automates admission/semester exams, result processing, grading, tabulation and report generation.

mPower Social

August 2011 to November 2011

Members: Mohammad Emran Hasan, Md. Eftakhairul Islam, Md Sakib Al Mahmud, Syed Abidur Rahman

mPower is a social enterprise harnessing the power of information to revolutionize the impact of development efforts by leveraging mobile technologies.

Bangladesh Board of Investment

January 2010 to April 2010

Members: Mohammad Emran Hasan, Sohel Ahmed, Khairul kabir, Kamrujaman Shohel

This is the official web site of Bangladesh board of Investment . Which contain all the information of the board.

Upper Canada Law Society - eLearning System

April 2009 to November 2009

Members: Mohammad Emran Hasan, Noor Khan, Dan McBride

A robust elearning system for Upper Canada Law Society, where Ontario layers can participate online for their mandatory 'Professional Responsibility and Practice Course'

Somewherein Blog

April 2005 to May 2006

Members: Mohammad Emran Hasan, Hasin Hayder, Rhythm Shahriar, Rashid Zaman, Omar AL Zabir

Earth.org

July 2008 to January 2010

Members: Mohammad Emran Hasan, Slobodan Utvi#, Julian Davchev, David Garcia Watkins, Gayathiri SenthilKumar, Thorsten O., Varun Sharma, Dmitriy K., Alfreda Y.

Earth.org is a collaboratively written travel guide with a non profit approach. The company's vision is to provide free and reliable travel information in a similar style as Wiki. The website offer users to view or write articles about travel destinations.

Certifications

Zend Certified Engineer

Zend Inc. License ZEND009129 March 2009

Skills & Expertise

Symfony

Backbone.js

Node.js

PHP

MongoDB

Scalability

HTML5
Web Application Development
Agile
OOP
Gearman
Software Project Management
Database Design
MySQL
JavaScript
Zend Framework
jQuery
CSS
Ruby on Rails
XHTML
Web Services
Wordpress
LAMP
Git
Drupal
Scrum
Redis
Ruby
AJAX
Java
XML
Agile Methodologies
HTML 5
Web Applications
CMS
HTML
REST
Design Patterns
Linux Server
Agile Leadership
Apache
Linux
CodeIgniter
Nginx
jQuery Mobile

Languages

English

(Full professional proficiency)

Bengali

(Native or bilingual proficiency)

Education

Brac University

Bachelor in Business Administration (BBA), Business Administration, 2003 - 2007

Activities and Societies: AIESEC

Notre Dame College

Higher Secondary, Business Studies, 2000 - 2002

Grade: 20th Merit position in Dhaka Board

Activities and Societies: Computer Club, ICPC

Interests

Entrepreneurship, Software Development, New technology

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8 people have recommended Mohammad Emran

"Emran knows the Facebook API. He helped me clear a problem in bringing the U2ShouldMeet (of www.cameyeo.com) application to Facebook."

— **Dan Wellisch**, was Mohammad Emran's client

"He is such a wonderful person to work. Skilled, talent, fast learner is the adjectives to describe his quality in brief. I love to work with him because of his technical skill and management skill."

— **Md. Mahabubul Hasan Masud**, *Software Engineer(Team Leader), Right Brain Solution*, worked with Mohammad Emran at Right Brain Solution Ltd.

"Emran is a blast. His professionalism, dedication and efficiency is very praise worthy. He has gained such high position in development field is such young age, which only reflects his genius. The brief time I worked with him, he always proved to be excellent in his tasks. He is accountable, dependable and great team player. I look forward to work with him again in future and wish him all the best in his way to more success."

— **Motahera Shermin**, *Development Engineer, Pageflakes*, worked directly with Mohammad Emran at Pageflakes Ltd.

"Emran is an excellent choice for any problem you face in PHP. His vast experience & professionalism has brought him in a high level in such a young age. His dedication & quality of work in what he does well is beyond question. Wish him a very bright career to come."

— **Mohammad Iftekharul Anam**, *Development Engineer, Pageflakes*, worked directly with Mohammad Emran at Pageflakes Ltd.

"Emran is really one of the best agile developers I've ever met. Being at the top of freelancing projects, Emran is a man whom you can rely on. Emran learns very fast, always up-to-date with new arrivals and is excellently skilled analyzing projects. He is the one who knows where he stands right now with his projects, anytime. I recommend Emran for every type of PHP, Visual Basic and Javascript Projects. Leave the project to him and stay happy, thats what I say."

— **Hasin Hayder**, *Web Application Developer, somewherein*, worked directly with Mohammad Emran at Somewhere in...

"emran bhai is one of those people i like to work with again. he is fun loving, creative and quick problem

solver. he is one of those who is young blood in our IT industry. he has good sense of usability and understanding user need. obviously i should say, he is very fast learner. whatever we discussed together if he finds something new he promptly dig in and try to learn more. i wish his success in his career as well as everywhere he steps in."

— **nhm tanveer hossain khan (hasan)**, *java ee developer, somewhere in...*, worked directly with Mohammad Emran at Somewhere in...

"i know emran since i joined somewhere in... i found him consistently pleasant, dedicated and always smiling. he worked independently with creative ideas and extraordinarily helpful in other areas of the company."

— **Farhana Mahmud**, *human resource developer, somewhere in...*, worked with Mohammad Emran at Somewhere in...

"Emran is a detailed-oriented manager with excellent project management skills."

— **Hasan Fatheme**, *Data Analyst, Somewhere In.....*, worked with Mohammad Emran at Somewhere in...

[Contact Mohammad Emran on LinkedIn](#)