

# Bilash Saha

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## SUMMARY

- ❖ I am a professional and passionate web application and restful API developer working with Ruby On Rails for more than 11 years. I have a bachelor degree(BS) in Computer Science and Engineering passed back in 2008.
- ❖ I have been extensively working with Rails(version 2.x to 5.x), Ruby(1.8.x to 2.4.x), PostgreSQL, MySQL, Redis, ReactJS, AngularJS, jQuery, Ajax, Twitter Bootstrap(for responsive design), CSS. I am basically a full stack developer including backend, frontend and server administration.
- ❖ I work enthusiastically as devops on clouds like Amazon AWS(including EC2,S3,SES,RDS, Load-balancing, Autoscaling, Elasticache, SNS), Heroku, Rackspace, Digital Ocean to deploy applications from ground up to live.
- ❖ I am always concerned about application performance and scaling for very high traffic. For the fulltext search, I work on Sphinx,Elastic Search Engine. For better user experience, I use Sidekiq,Resque,Redis,cron for background jobs processing. For the real time web notification, I love to use Rails ActionCable.
- ❖ I use Capybara, RSpec with factorygirl for Test Driven Development(TDD). I use github/bitbucket Pull Request feature with Travis/Codeship CI for Continuous Integration. I follow Agile(Kanban/Scrum) for software development and follow software design patterns while coding. I use jira/trello/pivotal tracker tremendously for task/project management stuff.
- ❖ Beside web applications, I develop mobile hybrid apps(iOS/Android app) using React native and Ionic framework, javascript, AngularJS, HTML5 and CSS3.

## PROFESSIONAL SKILLS AND TOOLS

**Programing Languages:** Ruby on Rails,

**Database Management:** Postgresql, MySQL, MongoDB, Redis, Sqlite3

**Deployment tools:**Capistrano

**Cloud Servers** : AWS(EC2, S3, SES, Load balancing, Autoscaling, SNS, Elasticache,etc), Heroku, Linode, Rackspace, Digital Ocean

**Testing tools:** RSpec, Cucumber, Watir, Capybara, Factory Girl and Bot,Selenium web driver, PhantomJS, Headless

**Front-end Frameworks & libraries:** ReactJS, AngularJS, jQuery, Ajax

**Web Server:** Apache, Nginx

**Application Server:** Passenger,Unicorn,Puma

**Markup & Scripting:** HTML5, HAML, CSS, SASS, JAVASCRIPT, XML, JSON, ERB,HAML

**Version Management:** Github, Bitbucket

**Full-text Search:** Elasticsearch, Searchify, Solr, ThinkingSphinx

**Background Jobs:** Sidekiq, Resque, Redis, Cron

**Payment Gateways:** Stripe, Paypal, Braintree, Paymill

**3rd party Social API's:** Facebook, Twitter, Linkedin, Github, Google, Twilio

**Streaming media server:** Wowza(Live and VOD)

## WORK EXPERIENCES

### **Full Stack Senior Ruby on Rails Developer**

**April 2012 to Present – (Remotely)**

**Upwork Global Inc.**

**Profile URL :** <https://www.upwork.com/o/profiles/users/~01741e06ac73c343e4/>

- Worked on various Ruby on Rails based projects for different companies of USA, Canada, Australia, Italy, Thailand etc.
- Worked more than 9900 paid hours having great client feedback and ratings.
- Performed Requirement Analysis, Software Architecting/Design, Database Design and communication with foreign clients.
- Build web and mobile apps and RESTful API using latest Ruby On Rails(2.x to 5.x), React, React Native, PostgreSQL, MySQL, Redis, background jobs and managing Ubuntu servers on Cloud(Amazon EC2, Heroku).
- Coded with TDD(using Capybara,Rspec), using git, github, bitbucket for code repository, Continuous Integration(Codeship,Travis) and deploying apps via Capistrano.
- Some recent projects :
  - <https://app.snaptradepro.com/> - "Software as a Service" built for Heavy Equipment Sales.
  - <https://www.therapymate.com/> - Practice Management & Mental Health Software for Social Workers, Therapists, Counselors, Psychiatrists and Psychologist,
  - <https://thailandtopup.com/> - Thailand based online Mobile Topup site API.
  - <https://www.rafflehunter.com/> - API and app for online raffle management.
  - <https://bricks.impct.co/> - Non profit organization for social welfare.
  - <https://socialdiscoverycorp.com/> - Social Media data Analysis and Reports.

### **Senior Software Engineer**

**March 2012 to October 2013 – (Remotely and Onsite)**

**Pazienti.org.s.r.l. , Milan, Italy**

**Web:** <https://www.pazienti.it/>

- Worked as a Senior Software Engineer and Server Admin and developed Medicalcontent, Q&A and medical service web applications.
- Implemented RESTful API using Ruby on Rails (version 3.x), PHP and MySQL.Handled enormous traffic by setting up load balancers among several web servers on Rackspace Cloud.
- Applied various Caching technologies (Varnish, Memcache, Rails specific Caches, Client side Caching), SQL Query optimization/caching and configured Apache,Nginx web servers.
- Improved website performance tested on Google page speed tool and Apache Benchmark.

### **Senior Software Engineer**

**March 2011 to August 2012 - (Onsite)**

**Akhoni.com Ltd., Dhaka, Bangladesh**

**Web:** <http://www.akhoni.com/> renamed currently to <https://www.bagdoom.com/>

- Worked as a team lead and developed Groupon like E-commerce and Deal web application (bilingual) for Bangladeshi users using Ruby on Rails (version 3.x) and MySQL database.
- Scaled and extend the application through much real user experiences and feedback for better UX continuously.
- Managed Ubuntu server on Rackspace cloud and deployed app using Capistrano.

## Software Engineer

September 2008 to April 2011 - (Onsite)

Domain Technologies Ltd, Dhaka, Bangladesh

Web: <http://domaintechnologies.com.bd/>

- The main responsibility was to understand the system by reading the “Software Requirement Specification” document, help designing the database and as a developer worked with the development using J2EE framework.
- Developed web based applications using J2EE SEAM framework using HIBERNATE, XHTML, JSF, AJAX, CSS, JAVASCRIPT and ORACLE as Database. BIRT Report engine for the management of Development and Technical Projects from Planning Ministry of Bangladesh Govt. Developed projects were :
  - *Project Planning System (PPS)*  
Maintains workflow, designed to approve/reject them from the root level to the top level. Generate a significant amount of reports and have a map to track the places, where the projects are going on.
  - *Inventory Management System (IMS)*  
Manage the inventory of the planning ministry campus. Has all the functionality of a standard Inventory Management System like purchase, tender, scrap sale etc. with facility to generate dynamic reports
  - *Vehicle Management System (VMS)*  
Manage the vehicles of the planning ministry campus. Has the functionality of purchase, tender, maintenance, repair, driver and vehicle assignment, fuel management, scrap sale etc. with facility to generate a dynamic reports
  - *Foreign Aid Management System (FAMS)*  
Tracks and maintains the transparency of the Foreign Aids received and spend by planning ministry.

## ACADEMIC QUALIFICATION

<b>Bachelor of Science in Computer Science &amp; Engineering (B.Sc. in CSE)</b>	<i>Name of University</i>	Chittagong University of Engineering & Technology(CUET), Bangladesh
	<i>Passing Year</i>	2008
	<i>Total Credit Hours Completed</i>	159.75 (total 159.75)
	<i>CGPA</i>	<b>3.53 (Out of Scale 4.00)</b>
	Merit Position	<b>5th</b>
	Medium of Instruction	<b>English</b>

## PROFILE LINKS

Stackoverflow : <http://stackoverflow.com/users/838180/bilash-saha>

Github : <https://github.com/bilashsaha>

Linkedin : <https://bd.linkedin.com/in/bilashsaha03>

Bitbucket: <https://bitbucket.org/bilashsaha03/>