

# RAHUL RAJEEV

rahul@rahulrajeev.co | +65 83854176  
www.rahulrajeev.co

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## EDUCATION

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### National University of Singapore

Jul 2010 – May 2014

*Bachelor of Engineering following Design Centric Curriculum*

Major in Computer Engineering

Minor in Technopreneurship

- Awarded SIA/NOL scholarship for outstanding Academic and Extra-Curricular Performance
- CGPA: 4.34/5

### Design Centric Program

Jan 2011 – May 2014

Building a wearable continuous remote health monitoring device for out-patients with chronic diseases designed using a user-centric approach.

### Padma Seshadri Bala Bhavan Senior Secondary School

Jun 2006– May 2010

Following Central Board of Secondary Education

Science stream with Computer Science

- Graduated with A+ in 12<sup>th</sup> Boards (481/500)
- Certificate of Achievement- Computer Science for securing 99.9 percentile in 12<sup>th</sup> standard boards(2010)

## RELEVANT PROFESSIONAL EXPERIENCE

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### Pivotal Labs / Neo Innovation

Jun 2014 – Present

*Senior Software Engineer, Engineering Manager*

- Worked with cross functional teams to solve problems with the ideal tech stack.
- Consulted at clients ranging from multinational corporations to government organisations.
- Primary focus on service-oriented architecture, mobile technologies, performant web-applications and data visualisation, as well as Developer enablement.

### Bio-Electronics Lab, Faculty of Engineering, NUS

Jun 2014 – Feb 2016

*Undergraduate Researcher*

- Algorithm design and Client Side Application development in the Bio-Electronics Lab.
- Work includes wireless data transfer, DSP, Pattern recognition and server interfacing. As a part of the NRF project titled "Self-Powered Body Sensor Network for Disease Management and Prevention -Oriented Health Care"

### EZMON Technologies

Aug 2012 – Jun 2014

*Co-Founder, Developer*

A project addressing the gap in non-invasive self-monitoring for out-patients. Includes a wearable health monitor and accompanying connected applications.

- Smart watch electrical design, Non-invasive Glucose Sensing, UI/UX Design, PC App, Android App
- Best Young Team, Intel Global Challenge @ UC Berkeley
- Champion, Biotechnology Category and Best Exhibition in GlobalTiC 2013
- Finalists in Start-Up@Singapore Product Showcase Challenge
- Merit Award in National Assistive and Rehabilitative Technologies (A&RTs) Challenge

## Clearbridge BioLoc

May 2013 – Aug 2013

*Developer/Engineer*

- Creating a new prototype platform that includes image and pattern recognition and processing of bio-assay test-cards.
- Web Development as well as accompanied PC software
- Embedded systems development

## Clearbridge VitalSigns

Mar 2012 – Nov 2012

*Software Engineering Intern*

New product conceptualisation and development

- Software Development on multiple platforms : Web, Windows and Android
- Connectivity over Bluetooth, Interfacing with hardware/embedded system
- UI/UX design, Product development, QC

## CO-CURRICULAR ACTIVITIES

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### NUS Students' Chapter of the ACM

Feb 2011 – Apr 2013

*Chairperson*

- Won "Student Achievement Award" 2 years in a row
- Plan and organise events for the whole technical community of NUS
- Created working collaborations with various other clubs and organisations.
- Spear-headed many national scale events like Developer weekend 2012, MatchNHack 2012 and "Code for a Cause"

### Volunteering

- Regularly Volunteer at Animal Lovers League, an animal shelter for abandoned pets.
- Regular volunteering visits to Henderson Home for the elderly and mentally disabled

## OTHER ACHIEVEMENTS

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- **Winner of the Zuellig Pharma Switch challenge** at the Smart Health Colab hackathon organised by UP Singapore.
- Won the **Most Innovative Project** at the Developer Weekend 2013 Hackathon for building a Medical-grade test strip reader using an old CD drive.
- **International Rank 7** in the International Informatics Olympiad (IIO).
- Awarded **KVPY (Kishore Vaigyanik Protsahan Yojana) Fellowship** in the year 2008-09 by **Govt. of India** and **IISc- Bangalore**.
- **Top 10%** in National Physics Olympiad, National Chemistry Olympiad and National Senior Astronomy Olympiad

## SKILLS

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- **Software Engineering:** Scalable full-stack application development, Data visualisation, Big Data Processing, Neural networks
- **Medical Technologies:** Building body-area networks, wearable vital-signs monitoring, remote transmission, Bio-Signal processing and analysis.
- **Product Development:** Design Thinking, UX Design, Project management, Productising technology
- **Prototyping:** Programming micro-controllers (ATMega, ARM), Arduino, 3D Printing
- Python, Ruby, Java, JavaScript, Hadoop, Android, Linux, BioPython, C#, VB, C++, C, Assembly, R, Processing