

PRERAK RUSTAGI

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EDUCATION

Northwestern University, Evanston, IL, USA

Sep 2018– Jun 2019

Master of Engineering Management

Relevant Coursework - Product Management, Decision Tools, Engineering Management, Accounting for Engineers, Financial Issues for Engineers, Marketing Issues for Engineers, Leadership and Organizational Behaviour, Strategic Management for Engineers, Machine Learning

University of California, San Diego

Jul 2017 - Aug 2017

Courses on IoT (Online)

Guru Gobind Singh Indraprastha University, New Delhi, India

Aug 2011– Jun 2015

B. Tech, Electronic and Communication, 75.5/100

EXPERIENCE

Compro Technologies Private Limited

Jul 2015 - Jul 2018

Senior Software Development Engineer

- Supervised and mentored 5 new hires and build a cross-functional team.
- Setup a CI environment for seamless and high quality software product release.
- Collaborated with the QA and Clients to procure requirements, plan sprints, and manage release pipeline based on Agile SDLC.
- As a lead developer, designed the architecture and developed an E-Learning product called [comproDLS™](#)
- Vistas Higher Learning (US) - 100,000 live users.
- Cambridge University Press (UK) - designed for more than 1,000,000 users, going full scale in 2019.
- A basic production infrastructure is capable of handling 3000 VUs at a load of 1000 rps for 48 hours.
- Designed and developed a cutting edge next-generation collaboration tool for Vistas Higher Learning called [Partner Chat](#) that is used by over 100,000 students to record and submit video assignments in real-time.
- Organised team-building activities and outings at Compro Technologies

Tevatron Technologies

Feb 2015 - May 2015

Industrial Intern, Embedded Systems

- Developed industrial embedded systems using ARM based STM32

Tevatron Technologies

Jun 2014 - Jul 2014

Summer Trainee, Embedded Systems

- Developed a bluetooth based smart car and home automation embedded systems using Atmega8

Institute of Telecom Technology and Management, MTNL

Jun 2013 - Jul 2013

Trainee, Department of Telecommunication

- Gained theoretical and practical knowledge of various telecommunication components like BTS, PSTN

IGDTUW (formerly IGIT)

Jun 2012 - Jul 2012

Summer Trainee, Mobile Architecture and Application Development

- Awarded Certificate of Best Performer and Nokia Lumia handset for outstanding performance

TECHNICAL SKILLS

Programming Languages: C, C++, JavaScript (NodeJS), HTML, CSS

Web Technologies: Redis, RabbitMQ, Papertrail, KairosDB, PubNub, Tokbox, AWS – EC2, S3, DynamoDB, Lambda, Cloud-Watch, CloudFront, Route 53, WebSockets, WebRTC, Cassandra and Elasticsearch based Apache Usergrid.

Version Control System: Git

Automation & CI Tools: Mocha, Coveralls, Travis

Embedded Systems: DragonBoard 410C, Ubuntu based Linaro, STM32, Raspberry Pi, Arduino, AWS-IOT

Communication Protocols: SPI, I2C, UART, GPIOs, Bluetooth

CERTIFICATION

- Scrum Alliance Certified Scrum Product Owner Certification.

Oct 2018

PROJECTS

Dual Axis Solar Panel: Undergraduate Major Project

Feb 2015 - May 2015

- Designed and developed a solar panel that tracks light by rotating on both of its axis.

SMS Controlled LCD Display: Undergraduate Minor Project

Oct 2014 - Nov 2014

- Designed and developed a smart LCD which displays the content of an SMS in real-time.