Sougata Dafader

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EDUCATION

Northeastern University, Boston, MA   Sept. 2017–Dec 2019
College of Computer and Information Science, **GPA**: 3.5/4
Master of Science in Computer Science
Coursework: Web Dev, Algorithms, Information Retrieval, Program Design Paradigms, Computer Systems.

West Bengal University of Technology, Kolkata, India
Bachelor of Technology in Computer Science   Aug 2009 – July 2013
Related Courses: Algorithms, Natural Language Processing, Web Development, Data Structures.

WORK EXPERIENCE

The MathWorks, Inc,   Natick, MA
Software Developer II (Full Stack)   Jan. 2020– Present
- Transitioned major components and features from **Java** to **JavaScript** and mentored junior EDG developers.
- Aggressively resolved bugs and reduced market bugs with each release.

Fidelity Investments   Boston, MA
FCAT Developer Co-op (Full Stack)   Jan. 2019– June 2019
- Ideated solution for our problem statement, created prototype and user-tested it in an agile environment.
- Created a cross-platform app for **IOS** and **Android** using **React Native** and **Node.js.**
- Created custom components on top existing libraries and created the whole navigation flow of the app.

Northeastern University,   Boston, MA
Web Developer – College of Arts, Media and Design & Global Resilience Institute (GRI)   Jan. 2018 –Dec. 2019
- Developed several responsive layouts for the website using **PHP**, **JavaScript**, **jQuery** CSS in WordPress.

Lyfflip,   Kolkata, India
Software Developer   Jul. 2016 – Jul. 2017
- Developed and consumed **Web Services** for extracting and manipulating data from inter-applications using **SOAP** and **REST** protocols.

Larsen and Toubro Technology Services,   Mysore, India
Software Engineer   Oct. 2013 – June 2016
- Implemented **Web Services** for extracting and manipulating data from inter-applications using **Java Spring-REST** framework. Wrote **Junit test cases** brought **code-coverage** to 95+%.
- **Mentored** a team of 3 and built a Tool Suite in **Asp .Net WPF** to test an **IOT** platform using multithreading
- Re-engineered existing Time-sheet portal for a client organisation with over 20,000+ employees. Analyzed and plotted graphical data using **Telerik** in **ASP .net C#** which improved productivity by more than 20%.

PERSONAL PROJECTS

Northeastern University,   Boston, MA
  FoodieWeb – ReactJS / Java Spring-Boot, SQL, REST API   Dec. 2018
- Facilitates a user to utilise external API to retrieve recipes and use internal API's to fetch their liked dishes.
  Course Management System – **Mongo, Express, Angular, Node.js, REST API**   Oct. 2018
- Created API's which professors can utilize to CRUD courses, modules, topics and widgets.
  Comparative Analysis of different Compression Algorithms – **C, Shell Scripting, Tableau**   Aug. 2018
- Implemented different algorithms (serialized / multithreaded) to compress and decompress
- Automated the process over different data sets and evaluated their performance.
  Ride Sharing Application – **Python Django, JavaScript, jQuery, Sqlite**   April 2018
- Designed and developed a responsive web application which would facilitate Northeastern students to search and offer rides. The portal also provides option to split the cost among the travellers.

TECHNICAL SKILLS

Computer Languages: MEAN Stack, ReactJS, React Native, Java, C#, Python, C, PHP, HTML5, JavaScript, CSS3
Frameworks: Spring-Boot/ Hibernate, MVC, ASP .NET, WPF, J2EE, JPA, Django, Entity, Node.js
Servers & Database: Heroku, IIS, Oracle 10g, MySQL, Microsoft Access, MongoDB
Software & Tools: GitHub, Git, Jira, Visual Studio, AWS -EC2 /S3, Eclipse, Adobe Suite, Jmeter, Jenkins, Postman.
Certifications: Microsoft Certified Professional, Microsoft Certified HTML5/CSS3/JavaScript Developer
Development Type: Agile- Scrum, TDD (test driven development)