

Sougata Dafader

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EDUCATION

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

West Bengal University of Technology, Kolkata, India
Bachelor of Technology in Computer Science, **GPA: 3.54** **Aug 2009 – Jul. 2013**
Related Courses: Algorithms, Natural Language Processing, Web Development, Data Structures.

TECHNICAL KNOWLEDGE

Computer Languages: JavaScript, Java, C#, TypeScript, React Native, Python, HTML5, JavaScript, CSS3
Frameworks: React, NodeJS, Express, Redux, AngularJS, Spring-Boot/Hibernate, Django, MVC, JPA, MVC
Servers & Database: Amazon Web Services, 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)

WORK EXPERIENCE

The MathWorks, Inc, Natick, MA
Software Developer II (Full Stack) **Jan. 2020– Present**

- Restructured and developed major components and features in **JavaScript** and **C++** while mentoring new hires.
- Upgraded JavaScript components to ES6 that increased performance by 20% and reduced execution time by 81%.

Fidelity Investments Boston, MA
FCAT Developer Co-op (Full Stack) **Jan. 2019– Jun. 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 web applications for multiple clients using **ReactJS** and **NodeJS** and hosted them on **AWS** in a start-up environment.

Larsen and Toubro Technology Services, Mysore, India
Software Engineer **Oct. 2013 – Jun. 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%.

ACADEMIC PROJECTS

BigBrother – ReactJS / Java Spring-Boot, SQL, REST API **Dec. 2019**

- Developed a full stack app that would help provide donations to people who are in need of monetary help.

Online Food Recipe System – 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 – AngularJS, Mongo, Express, Node.js, REST API **Oct. 2018**

- Created API's which professors can utilize to CRUD courses, modules, topics and widgets.

Ride Sharing Application – Python Django, JavaScript, jQuery, Sqlite **Apr. 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.