Prakhar Srivastava

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Experience

Amazon LLC Seattle, USA

Software Developer Engineer *July 2022 – Present*

- Work with team members to manage and participate in day-to-day development activities, such as design and code reviews.
- Designed, developed, and tested **HTML5, CSS3, Bootstrap, JavaScript, jQuery and React.JS** that meets accessibility and web browser standards for website.
- Acknowledge for detecting **AWS** software testing process bottleneck, decreasing by software testing time by 15%.
- Developed **REST API** endpoints to optimize the account verifications and integration tests using **Cypress**.
- Attention to quality and performance with a focus on building low-latency responsive apps using **Java, React and Typescript.**
- Experience building large-scale high-speed server-side software.
- Design, coding, debugging, reporting, data analysis and web application using **Python**.
- Migrate existing Monolithic architecture to full-fledged Microservices using **Spring Boot and Spring Cloud** in multiple stage.

Solera Life Sciences Pvt Ltd. Delhi, India

Software Developer Intern *Oct 2020 – Jan 2021*

- Created scripts to automate the update of data files on company website, helps to debug the responsiveness and customized it as seen from a mobile phone with all the formatting of the pages using **Selenium, BeautifulSoup, Pandas** and **Numpy.**
- Designed and ran scripts and queries to retrieve data by developing views and managing client databases using **MySQL.**
- Build REST web service by building **Node.js** Server in the back-end to handle requests sent from front-end **jQuery Ajax** calls.
- Extensively used regular expressions and core features in Python using lambda, map, reduce etc and effectively implemented logging feature using python logging library and profiling using cProfile

Monteage Technologies Pvt Ltd. Delhi, India

Software Engineer *Jan 2018 – Sep 2020*

- Focused on clients structural real-time needs in the technology sector of Barcode, RFID, GPS, CCTV, LED Components and Smart Education System.
- Implemented the contouring method for cleaning and processing thermal images captured using FLIR camera in **Python.**
- Implemented Core Java concepts like Multithreading, Collections, Generics & Exception Handling to solve business challenges.

Hind Rectifiers Ltd. Dehradun, India

Electrical Engineer *July 2017 – Jan 2018*

- **Quality Control(QC)** engineer followed Six Sigma for secure and efficient computing-based technologies.
- Verified by writing a program and model the system in **MATLAB** which provided a platform to evaluate and enhance the stability, reliability, and integrity of real-time functioning of the system.

Skills

Languages: Python, C/C++, JAVA, React, HTML/CSS/JS, Kotlin, GraphQL, typescript, jQuery, MATLAB, AutoCad
Databases/Frameworks: Spring, MySQL, MongoDB, Flask, NodeJS, AWS
ML Libraries: Pandas, NumPy, Matplotlib, Selenium, BeautifulSoup, Scikit-learn, OpenCV, PyTorch, Keras, TensorFlow
Tools/Operating Systems: PyCharm, Jupyter, Google Colab, IntelliJ, VS Code, Git, Linux, Windows, MacOS
Transferable: Research, Problem Solving, Time Management, Database management, Teamwork and Collaboration

Projects

Comp-GAN Recommender System – *Python, TensorFlow* *Jun 2021 - Aug 2021*

- Advised by Professor Alex Doboli - Research Project: Generative model used for adversarial minimax game and trained two models, generative and discriminative model, and estimated the probability for the recommendation system.

Automate Board Game – *Python, Matplotlib* *Feb 2021 - May 2021*

- Program the playing of a board game, where board is an object and players are distributed processes, written in **DistAlgo.**

Pandemic Trajectory – *Python, Openpyxl, Xlsxwriter, Json* *Jun 2020 - Aug 2020*

- Built a script to extract data from **json** file from a government website to showcase data of COVID-19 current scenario in a file with graphs, diagram and trajectories to visually analyse daily cases with physical recordings.

Internet Of Things Controller – *Arduino IDE, C++* *Jan 2017 - May 2017*

- Built a prototype to control the hybrid energy system using ESP8266 wifi-module and programmed in **C++.**
- Internet Of Thing helps to switch the power supply between wind energy and solar energy of a house through secure website when the grid supply is off. Google Scholar

Education

Stony Brook University Stony Brook, NY

Master of Science, Computer Engineering - 3.54 *GPA* *Jan 2021 - May 2022*

DIT University Dehradun, India

Bachelor of Technology, Electrical Engineering *July 2013 – May 2017*