

Prakhar Srivastava

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Motivated and skilled **Software Developer Engineer** with experience in designing and developing high-quality web applications. Ability to optimize software testing, build Rest APIs, migrate existing architectures to Microservices and real-time operating systems. Strong proficiency in databases and ML libraries. Excels in collaborating with cross-functional teams to achieve project goals.

Experience

Amazon LLC

Software Developer Engineer

Seattle, USA

July 2022 – Present

- Work with team members to manage and automate Server Deployment, upgrades, code reviews, and version release management.
- Experience building large-scale high-speed server-side software and working in a fast-paced, **CI/CD** and **Agile** environment.
- Developed **REST** based microservice and user interface web applications using **JavaScript**, **JSON**, **AngularJS**, and **XML**.
- Identified and resolved a bottleneck in the **AWS** software testing process, which saved **15%** time spent on software testing.
- Developed **REST API** endpoints to optimize the account verifications and integration tests using **Cypress**, **Python** and **JAVA**.
- Attention to quality and performance with a focus on building low-latency responsive apps using **Java**, **ReactJS**, **Typescript**
- Design, coding, debugging, reporting, data analysis and web application using **JAVA**, **Spring Boot**, **Python** and **DynamoDB**
- Migrate existing Monolithic architecture to full-fledged Microservices using **Spring Boot** and **Spring Cloud** in multiple stages

Solera Life Sciences Pvt Ltd.

Software Developer Intern

Delhi, India

Oct 2020 – Jan 2021

- Developed scripts to automate the update of data files on the company website, using data mining techniques, and helped to debug responsiveness and customized it for mobile devices by formatting pages using **Selenium**, **BeautifulSoup**, **Pandas** and **Numpy**
- Designed scripts and ran queries to retrieve data and managed client databases to improve the usability of data 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.
- Created dynamic web pages that are more user-interactive using **HTML5**, **CSS3**, **JavaScript**, **Spring**, **JSON**, and **Bootstrap** for client-side validations.

Monteage Technologies Pvt Ltd.

Software Engineer

Delhi, India

Jan 2018 – Sep 2020

- Focused on providing clients with customized solutions for their real-time needs in the technology sector of Bar-codes, CCTV, LED, RFID and GPS sensors, Smart Education Systems, firmware development, controllers, and IoT device solutions.
- Deployed the contouring method for cleaning and processing thermal images captured using FLIR camera in **Javascript**, **Python**
- Implemented Core **JAVA** concepts like Multithreading, Collections, Generics & Exception Handling to solve business challenges.

Hind Rectifiers Ltd.

Electrical Engineer

Dehradun, India

July 2017 – Jan 2018

- **Quality Control(QC)** engineer followed Six Sigma for secure and efficient computing-based technologies.
- Executed verification by developing programs and modeling systems in **MATLAB**, **Python** and **JAVA** to evaluate and improve the real-time stability, reliability, and integrity of the system.

Skills

Languages: Python, JAVA, C/C++, HTML/CSS/JS, ReactJS, NodeJS, AngularJS, Kotlin, GraphQL, typescript, jQuery, MATLAB
Databases/Frameworks: MongoDB, Cassandra, Kafka, DynamoDB, Flask, Spring, Docker, Kubernetes, Rest API, .NET, SQL
ML Libraries: Pandas, NumPy, Matplotlib, Selenium, BeautifulSoup, Scikit-learn, OpenCV, PyTorch, Keras, TensorFlow
Tools/Operating Systems: AWS, CI/CD, Agile, 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, JAVA

Feb 2021 - May 2021

- Developed a board game in **JAVA** and **DistAlgo** with distributed processes as players and the board as an object.

Pandemic Trajectory – Python, Openpyxl, Xlsxwriter, Json

Jun 2020 - Aug 2020

- Built a script that utilizes a **JSON** file from a government website to extract COVID-19 data and generate a report with graphs, diagrams, and trajectories to visualize the daily cases and physical recordings.

Internet Of Things Controller – Arduino IDE, C++, JAVA

Jan 2017 - May 2017

- Constructed a prototype for controlling a hybrid energy system using ESP8266 wifi-module and programmed in **JAVA** and **C++**
- Internet of Things enables the seamless switching of power supply between wind energy and solar energy for a house through a secure website in the absence of a grid supply. [Google Scholar](#)

Education

Stony Brook University

Master of Science, Computer Engineering - 3.54 GPA

Stony Brook, NY

Jan 2021 - May 2022

DIT University

Bachelor of Technology, Electrical Engineering

Dehradun, India

July 2013 – May 2017