

# Prakhar Singh Dhaila

Toronto, ON | +1 (506) 897-3603 | [pdhaila97@gmail.com](mailto:pdhaila97@gmail.com)  
<https://www.prakharsinghdhaila.in> | [LinkedIn](#)

## EDUCATION

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### University of New Brunswick

*Master of Computer Science by Coursework*

Fredericton, NB

September 2023 – May 2025

### Maharaja Surajmal Institute of Technology

*Bachelor of Technology in Computer Science and Engineering*

New Delhi, India

August 2015 – May 2019

## EXPERIENCE

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### Developer, Summer 2024 Co-op (8 Months)

May 2024 – December 2024

*Royal Bank of Canada (RBC)*

*Toronto, ON*

- Worked in Global Mobility Provisioning Services team to create Automation scripts using Python, Selenium.
- Developed automation for backing up multiple databases, once every week.
- Developed a scalable and reliable web application (Ops Dashboard) from scratch to help the analyst team in their daily tasks, helping them save an hour of effort per week.
- Added voicemail password reset automation in the Ops Dashboard, that helped save about 1.5 hours per week of manual effort.
- Converted a legacy project written in VBA into python code, to compile and manipulate data from multiple excel files into a single dashboard excel file. This dashboard was then rendered in the Ops Dashboard. This helped save 3+ hours per week of manual efforts, and got me recognized as one of the Employees of the Month (EUS) for August 2024.
- Currently migrating team's entire codebase stored in remote windows server, to cloud platform (OCP4) using internal infrastructure management tool "Helios".

### Software Development Engineer

September 2021 – July 2023

*Freecharge Payment Technologies Private Limited*

*Gurugram, India*

- Led a team of 3 Developers while facilitating a cross-domain collaboration to build the flagship product 'Easy Personal Loan' as a comprehensive lending platform for web and mobile (inside a webview).
- Developed the 'Education Fees Via Credit Card' product as a solo Developer, generating INR 20 million daily revenue.
- Developed an Investment platform 'Mutual Funds' in a team of 4 Developers. As part of this product's functionality, developed a modular Audio/Video recording custom hook using core JavaScript APIs.
- Worked on development, enhancements and revamp of products like 'Personal Loan +', 'Checkout EMI', and 'PayLater', 'Rent via Credit Card', 'User Account Interface'.
- Provided mentorship to junior developers and actively participated in code reviews.

### Software Engineer

July 2019 – September 2021

*Compro Technologies*

*New Delhi, India*

- Developed a mobile-first, multi-tenant web application focused on providing e-learning and authoring experiences for students/ teachers.
- Developed re-usable theme-driven components with support of internationalization using latest React practices like functional components, hooks and Redux.
- Managed the entire development lifecycle, including the design of low-level architecture, implementation of modular code, and deployment using Bitbucket pipelines.
- Developed an SDK for authentication leveraging our underlying backend service.
- Integrated Terraform to automate setting up of the project's AWS cloud infrastructure.
- Transitioned the web application into a Micro-Frontend architecture using the Webpack 5 Module Federation.

## PERSONAL PROJECTS

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- Visa Slots Automation** | *Python, Selenium, Twilio* 2024
- Automation script that runs every hour, logs in using personal credentials to check whether there is a any Visa slot vacant prior to certain threshold date. If present, a phone call is made to personal mobile number.
- QA Bot** | *NextJs, Ant Design, Puppeteer, ResembleJs, Hasura, GraphQL* 2022
- Test automation tool created during a hackathon as a member of 3 developer team. The tool enabled individuals without coding experience to generate automation test cases, capture UI screenshots and API request/response snapshots. Built with NextJs, Ant Design, Puppeteer, ResembleJs, Hasura, and GraphQL.
- Short URL Generator** | *React, ExpressJs, NodeJs, MongoDB, Typescript, Webpack, HerokuApp* 2021
- Short URL generator developed on MERN stack, Typescript and Webpack with URL expiration, hit logging, and custom short URL options
- Stoic Notes** | *React, ExpressJs, NodeJs, MongoDB, Typescript, Webpack, HerokuApp* 2020
- An easy to use web application with an elegant UI that allows users to create personal notes for their stoic growth - built using MERN stack, Typescript and Webpack.
- Go Corona Go** | *React, Typescript, Webpack* 2020
- Created a React app for real-time COVID-19 updates in India, including State and District-level data on active, recovered, and death cases.

## SKILLS

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**Programming Languages:** Javascript, Typescript, Python, HTML, CSS, SCSS, Java, SQL, C, C++  
**Frameworks / Others Technologies:** Next.js, React, Node.js, Express.js, Material-UI, Redux, Redux Form, MongoDB/MongooseJs, Git, Pandas, MariaDB, Angular, Figma, Jenkins, Bitbucket, JIRA, Scrum, AJAX, CI/CD, Agile, REST, AWS, Webpack, Web Sockets, Server-Side Events, Twilio, Terraform, Hasura, GraphQL, VS Code, Cryptography, NLP  
**Soft Skills:** Ownership, Problem Solving, Critical Thinking, Team player, Ethical Integrity, Planning, Adaptability, Agility, Accountability, Requirements Analysis, Time Management, Leadership, Communication, Attention to detail, Creativity, Empathy, Technical Translation

## CERTIFICATIONS

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M001: MongoDB Basics (**MongoDb**), M103: Basic Cluster Administration (**MongoDb**), JavaScript Algorithms and Data Structures (**FreeCodeCamp**), The Complete JavaScript Course For Web Development Beginners (**Udemy**), Responsive Web Design (**FreeCodeCamp**), Data Structures in Java (**Coding Ninjas**), Frontend Developer (React) Certificate (**HackerRank**)

## ACHIEVEMENTS

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**EUS Employee of the month (August, 2024):** Was recognized as one of the Employees of the month under the EUS (End User Services) team. I was also the only Co-op to get this recognition.

**1st runner up at Freecharge Hackathon 2022:** Was part of a 3 developer team (<TeamTerrabyte>) that came 2nd among 34 participating teams for creating 'QA Bot'. Won a prize money of INR 100,000 (approx. CA\$ 1,600)

**Cocubes Examination (99 Percentile):** Acheived 99 percentile score in an All India Aptitude Examination

**AMCAT Examination (810 / 900):** Acheived a score of 810 out of 900 in an India-wide Aptitude Examination with a percentile of 99.7 in Quantitative Ability (Advanced)

## HOBBIES

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Singing, Reading, Chess, Badminton, PC Gaming, Cooking