

# RAJA CHAUDHARY

SENIOR SOFTWARE ENGINEER

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Canada

## SUMMARY

Result-oriented Senior Developer with over 6 years of industry experience, specializing in Python (4+ years) and Java (2+ years) spanning across Asian and North American markets. Navigated diverse organizational structures, including startups, freelance contract work, and top IT firms. Demonstrating agility, reliability, and proficiency in collaborative team environments or independent roles, I bring accountability and expertise in technologies including AWS services, Splunk monitoring, LaunchDarkly feature toggling and more. Proven ability to contribute to software development at any scale.

## WORK EXPERIENCE

### Senior Software Engineer | HP (Hewlett Packard)

2022-03-15

Worked as a contractor for HP with HCLTech (one of the largest IT service provider with more than 13 billion annual revenue)

- Designed SpringBoot microservice middleware for Microsoft product buyers on client's payments dashboard, enabling seamless integration with payment services
- Orchestrated North American deployments, ensuring scalability and outlining expansion plans
- Lead the implementation of rate limiter to prevent loss of API calls made on the server
- Improved system performance by 15% through optimized REST endpoint integration with microservices
- Seamlessly integrated Amazon Kinesis, enhancing data throughput and responsiveness
- Reduced defect resolution time by 50% with system monitoring and API failure management
- Applied DRY and SOLID principles along with 90%+ unit test coverage for clean, reusable, and flexible code

### Web Developer | Contract Work

2021-11-15 - 2022-02-15

- Led the development of a comprehensive full-stack website for a rehabilitation clinic with seamless payment processing and subscription management
- Integrated Razorpay Web API for secure payment processing and user-friendly recurring payments
- Designed administrative features for content control and an enhanced user experience
- Implemented Redis/Celery Beat message queues for automated client reminder emails, boosting user engagement

### Web Developer | GR Marketing

2020-03-15 - 2021-08-15

- Oversaw senior-level project delivery for 5+ web applications, ensuring seamless execution
- Engineered responsive websites using Tailwind and jQuery, prioritizing user-friendly interfaces
- Led the development of a robust e-commerce website, incorporating essential features such as user authentication, cart functionality, session management, and a secure payment gateway. Employed Django as the Python-based back-end framework to ensure both security and maintainability
- Integrated third-party applications like Google Maps, Mailchimp, and Stripe, enhancing website functionality
- Orchestrated cloud deployment on Heroku, Digital Ocean, and Amazon AWS for scalability and reliability
- Mentored a team of 3 junior developers, fostering collaboration and knowledge-sharing

### Software Developer | Petdom

2015-04-15 - 2017-08-15

A comprehensive solution for all pet requirements, Petdom served as a virtual umbrella offering homes and shelter to

abandoned dogs

- Co-led backend initiatives, architecting and implementing Django and PostgreSQL infrastructure. Result: cohesive, userfriendly pet platform
- Employed advanced search algorithms, achieving 90%+ accuracy in providing targeted, localized views of available dogs for adoption
- Integrated secure online purchasing, generating 500,000+ INR in quarterly revenues from a centralized marketplace for pet accessories
- Enhanced utility by integrating a user-friendly booking system for pet owners seeking veterinary care

### **Research Analyst | Grail Research (Integreon Solutions)**

2012-06-15 - 2015-03-15

- Worked on more than 15 primary research projects to conduct market analysis.
- Created complex VBA macros for automated data cleaning and presentation tasks enhancing efficiency.
- Conducted cohort, segmentation and regression analysis with 95%+ confidence for clients in diverse industries.

## **PROJECTS**

### **Polar Pulse**

<https://polarpulse.streamlit.app/>

AI powered news app to get the latest Canadian news in less than 100 words

- OpenAI's dev api to allow ChatGPT generate summary for each news article
- Utilized FastAPI to fetch the latest news
- BeautifulSoup to scrape news articles for fetching content
- Streamlit python framework to generate easy to host frontend web application

### **DuDap (Dig Up Da Past)**

<https://github.com/raja-chaudhary/duDap>

DuDap was developed to centralize and manage relationship-related details in one location. The objective is to avoid losing pertinent information from the past, ensuring a comprehensive record for effective communication and decision-making

- Incorporated agile methodology to build a relationship management tool to keep track of all the important aspects of a relationship
- Google OAuth signup/login: added functionality for email verification and password reset
- Tracking all the arguments, promises, important dates, good or bad traits, lies, and romance
- Statistics: compare if you are having more arguments or having more physical intimacy with your partner
- Set up reminders for all the important dates to be reminded via emails

## **EDUCATION**

### **Master's of Marketing | Camosun College, Victoria**

2018-01-15 - 2019-06-15

### **Bachelor of Instrumentation and Control Engineering | University of Delhi, New Delhi**

2008-08-15 - 2012-05-15

## **SKILLS**

Java, SpringBoot, JUnit, Django, Docker, Flask, FastAPI, Streamlit, OpenAI, ChatGPT, Heroku, Jenkins, JIRA, Git, Maven, MySQL, Postgres, Postman, RabbitMQ, Redis, REST APIs, Splunk, SQL, Tomcat, Kubernetes, Python, Nginx, RDBMS, Kinesis, AWSSNS, SQS, S3 Buckets, LaunchDarkly, PostGIS, Mockito, Swagger, Flyway, Agile, Celery, Data Structures & Algorithms