

SAP Concur iXp Intern - Homepage and Travel Software Developer (Early Acceptance for May 2021)

Date: Dec 5, 2020

City: Vancouver, BC, CA

Company: SAP

Requisition ID:271691

Work Area: Software-Design and Development

Expected Travel: 0 - 10%

Career Status: Student

Employment Type: Intern

COMPANY DESCRIPTION

SAP started in 1972 as a team of five colleagues with a desire to do something new. Together, they changed enterprise software and reinvented how business was done. Today, as a market leader in enterprise application software, we remain true to our roots. That's why we engineer solutions to fuel innovation, foster equality and spread opportunity for our employees and customers across borders and cultures.

SAP values the entrepreneurial spirit, fostering creativity and building lasting relationships with our employees. We know that a diverse and inclusive workforce keeps us competitive and provides opportunities for all. We believe that together we can transform industries, grow economics, lift up societies and sustain our environment. Because it's the best-run businesses that make the world run better and improve people's lives.

What is SAP iXp?

SAP's Internship Experience Program (iXp) is SAP's global, paid internship program that provides university students with the opportunities to find purpose in their careers.

Three reasons to apply for SAP iXp

1. Culture of collaboration: Meet with mentors, make new friends across the globe and create a thriving personal network.
2. Project-driven experience: Gain cross-functional skills from our virtual and in-person learning sessions, diverse subject matter experts, and project deliverables.
3. Gain visibility: With iXp in your title, you'll have a global network of SAP leaders, entrepreneurs and career development opportunities at your fingertips.

About the team:

Join the Concur Homepage & Travel engineering team and make a positive impact in our team's two-pronged mission:

Build a compelling homepage experience for 60 million users that is fast and available at all times!

Our team's first mission is to build the next generation homepage experience for SAP Concur, the world's leading provider of integrated travel, expense, and invoice management solutions. Built on React/Redux and microservices written in Golang, the homepage is a feature-rich experience displaying the user's receipts and expense

reports at a glance while also providing the ability to book travel on the spot. As the first page shown to each and every user, this crucial page needs to be fast, fault-tolerant and always available even in the face of unforeseen disruptions to other components of the product.

Keep business travelers happy and productive while giving companies visibility and control

Our team's second mission is focused on Concur Travel, the industry-leading corporate travel management product. It allows business travelers to easily book flights, hotel and car rentals in one online booking tool, while complying with their employers' travel policies. While some parts of our code base are old enough to vote, we are revitalizing it with cloud-first concepts and technologies including containerization in some areas, serverless architecture in others, and increased use of NoSQL data stores.

We work in a cross-functional agile team and hold daily scrum meetings with product managers. We also collaborate closely with other colleagues both locally and around the world.

What you'll do:

Position Title: **SAP Concur iXp Intern - Homepage and Travel Software Developer**

Location: **Vancouver, British Columbia**

Expected start date to end date: **May 3, 2021 – December 31, 2021 (8-month full-time internship)**

In this role, you'll:

- Homepage: Implement additional features for the homepage that are performant, resilient and polished.
- Travel: Contribute to the transformation of Concur Travel and take it to the next level, including scaling the product on hyperscalers (e.g. AWS).
- Develop software end-to-end: elaborating requirements, coding features and automated tests, scripting automated deployments, validating correctness and performance, and troubleshooting and resolving production problems.
- Gain experience working on a big codebase through figuring out, debugging and improving code not written by yourself.
- Work full-stack in cutting edge technologies such as React/Redux, GraphQL, Golang, Docker, Kubernetes, Helm, AWS services, Istio, Envoy, cybersecurity and much more.
- Learn from others on the team through code reviews, sprint demos, knowledge sharing sessions and regular 1-on-1 coaching.
- Grow in technical, leadership, communication, presentation and other soft skills.

Who you are:

We're looking for someone who can challenge the status quo and likes to stay curious. You enjoy working on meaningful projects and are energized by lifelong learning. For all applications, we encourage you to upload a copy of your transcript alongside your resume.

Required experience and qualifications:

- Working towards a Bachelor's or postgraduate degree in Computer Science, Engineering or a related technical field.
- Passion for solving technical computer problems by writing actual working code – this is very much a hands-on position.
- Curiosity and desire to understand the root cause of each problem encountered.
- Good written and verbal communication skills in English.
- Ability to work well both independently and in a team environment.
- Eagerness to commit to this 8-month full-time internship starting May 2021.

Desirable experience and qualifications:

- Golang, JavaScript, TypeScript, React/Redux, GraphQL, Java, Kotlin, C++, C#, concurrent programming (coroutines, actors, threads)
- Linux, shell scripting, Git, devops, Docker, AWS, Kubernetes, Ansible, continuous deployments, zero-downtime techniques
- SQL databases (MS SQL Server, MySQL, Postgres), NoSQL data stores (Redis, Couchbase, Memcached)
- Networking (TCP/IP, HTTP, Websocket, load balancing), encryption (SSL/TLS, JWT), cybersecurity, CDNs (Akamai, CloudFront), performance monitoring (Elasticsearch, Kibana, NewRelic)
- Ability to read, debug, and improve an existing codebase running in production
- Evidence of excellence in some capacity (could be via personal projects, exceptional success in some endeavor, etc.)

WHAT YOU GET FROM US

Success is what you make it. At SAP, we help you make it your own. A career at SAP can open many doors for you. If you're searching for a company that's dedicated to your ideas and individual growth, recognizes you for your unique contributions, fills you with a strong sense of purpose, and provides a fun, flexible and inclusive work environment – apply now.

SAP'S DIVERSITY COMMITMENT

To harness the power of innovation, SAP invests in the development of its diverse employees. We aspire to leverage the qualities and appreciate the unique competencies that each person brings to the company.

SAP is committed to the principles of Equal Employment Opportunity and to providing reasonable accommodations to applicants with physical and/or mental disabilities. If you are in need of accommodation or special assistance to navigate our website or to complete your application, please send an e-mail with your request to Recruiting Operations Team (Americas: Careers.NorthAmerica@sap.com or Careers.LatinAmerica@sap.com, APJ: Careers.APJ@sap.com, EMEA: Careers@sap.com).

Successful candidates might be required to undergo a background verification with an external vendor.

Additional Locations:

Job Segment: Intern, Developer, ERP, SAP, Engineer, Entry Level, Technology, Engineering

Source: "SAP Concur iXp Intern - Homepage and Travel Software Developer (Early Acceptance for May 2021)". SAP <https://jobs.sap.com/job/Vancouver-SAP-Concur-iXp-Intern-%C2%A0-Homepage-and-Travel-Software-Developer-%28Early-Acceptance-for-May-2021%29-Job-BC/636110701/>. Accessed 6 Dec 2020.

Application Package – Roxanne Robles

941 East 59th Avenue
Vancouver, BC, V5X 1Y6

December 7, 2020

SAP
910 Mainland St
Vancouver, BC V6B 1A9

Dear Hiring Manager,

Please consider my application for Concur iXp Intern – Homepage and Travel Software Developer in Vancouver, as advertised on the SAP Careers site on December 5, 2020. I will be graduating in November 2021 with a Bachelor of Sciences degree at UBC. I major in Statistics and a thematic concentration in Computer Science. As a member of the UBC Science Co-op Program, I am currently in a placement at SAP as an iXp Agile Developer Intern for HANA & Analytics.

From my role as a developer on the HANA & Analytics Cross-Engineering team, I've encountered numerous tasks such as scripting, data validation, full-stack development and database work. In particular, this experience has allowed me to further enhance my skills in Python, JavaScript and SQL as well as learn Node.js and React for web development. With my various tasks, I've grown in my communications skills; I've also learned from working independently and with my fellow team and project members.

Due to my passion in development, I am energized to curious to face any challenge while focused on helping you and your team further develop your product. I am excited for the great opportunity that lies ahead with the obstacles this job may bring and the solutions that may come up. From my experience at SAP, I hope to continue learning from talented individuals and continue the great work SAP does. With my education, experience and skills, I hope that I can bring value to your team and your team's mission of building a compelling homepage experience for SAP Concur's users.

Thank you for your time and consideration of my application. If you believe that I would be a good fit, please feel free to contact me at roxannejoier@gmail.com.

Sincerely,



Roxanne Robles

Encl. Resume

ROXANNE ROBLES

941 East 59th Avenue

Vancouver, BC V5X 1Y6

(778) 994 8146

roxannejoie.robles@gmail.com

OBJECTIVE

A summer internship in software development

SKILLS

Programming Java, JavaScript, Node.js, Python, SQL, C++

Web and Testing HTML, CSS, React, Apache, JUnit

Tools/Environment Linux, Unix, Windows, IntelliJ, GitHub, R, SQL
Server Management Studio, SAP HANA Studio

EDUCATION

University of British Columbia *Vancouver, BC*

Sept 2016 - Present

- Bachelor of Science (BSc). Statistics major with thematic concentration in Computer Science.
- Expected Graduation: Nov 2021

EMPLOYMENT

Agile Developer Intern *SAP, Vancouver BC*

May – Dec 2020

- Created Python scripts to automate data collection and validation processes, such as validating Jira fields and updating customer data stored in HANA database
- Supported SAP Analytics Cloud (SAC) user requests by granting access to dashboards used by employees, managers and quality leads.
- Designed and developed a web app platform for Vancouver HANA & Analytics' training program using React and Node.js, and hosted on a Nginx reverse proxy server.
- Developed and validated SAC dashboards for KPIs used for monitoring customers and outages

ASIC Tools Developer Intern *Intel, Vancouver BC*

Jan – Aug 2019

- Supported, improved, and fixed bugs for Power BI indicator reports used by design and verification engineers
- Maintained database hosted on a SQL server that was used to store data for verification reports
- Developed python scripts for functionalities such as, validating data that was inputted into the database and transferring data between Jira platforms

PROJECTS

GreenerShopper

Oct 2020

- In a team at SAP's Hack4Good Hackathon, won 3rd place by developing a prototype for an Amazon Chrome Extension using JavaScript that displays a product's the carbon emissions (kg) contribution when made and shipped when hovering over it
- Used RainforestAPI to access Amazon's product info and an online raw dataset containing rough estimates of carbon emissions of various product types

SuperRent Vehicle Rentals

Oct – Nov 2019

- For a group project, designed and constructed a graphic user interface (GUI) in HTML and PHP for customers and clerks so that vehicles can be rented for a given time period.
- Developed a database using SQL to store data for the SuperRent's customers, vehicle types, vehicles, reservations, rentals and returns.
- Created functionalities, which used SQL queries to obtain the appropriate data that has been requested by a user

Book Recommender

Jun – Sept 2018

- Constructed a Java program that asks for a user to input a book read and author, and outputs the information about that book and lists other books the user could read ordered by greatest to least average rating
- Uses a SAX parser and stacks to parse and store book information data taken from Goodreads API
- Books that are recommended are outputted using an insertion sort algorithm such that they are arranged in descending order based on average rating of the book

REFERENCES

Available upon request.

Application Package – Roxanne Robles

To: Roy Budhai <roy.budhai@sap.com>
From: Roxanne Robles <roxannejoier@gmail.com>
Subject: Request for Reference for Software Developer Intern

Dear Roy,

Thank you for the excellent experience that I had at SAP with you as my manager when I was an agile developer on your team. This experience was truly a great learning opportunity. I am currently in the process of applying for other summer internship positions, including one as a software developer at SAP Concur. With that being said, I am reaching out to you in hopes that you would be willing to be my referral for this application. I would truly appreciate it if you could please support my knowledge in software development, excellent team work and great communication skills.

I have attached my current resume and job advertisement for the position if you may need. If you are comfortable with making the referral, or have any questions, please let me know. Thank you for your time and consideration.

Kindest regards,
Roxanne Robles

To: Kevin Huang <kevin.huang@sap.com>
From: Roxanne Robles <roxannejoier@gmail.com>
Subject: Request for Reference for Software Developer Intern

Dear Kevin,

Hope that you are doing well. Working with you at SAP has taught me quite a bit about development and databases. I am reaching out to you since I am applying for a software development intern position at SAP Concur and was hoping if you could be willing to be one of my references for my application. From our work together and what you've taught me, I hope that you could affirm my knowledge and skills. I would truly appreciate your support on this endeavor.

If you may need it, I will attach my current resume and job advertisement. If you are comfortable with making the referral, or have any questions, please let me know. Thank you for your time and consideration.

Best regards,
Roxanne Robles

Application Package – Roxanne Robles

To: Janel Willms <janel.willms@gmail.com>

From: Roxanne Robles <roxannejoier@gmail.com>

Subject: Request for Reference for Software Developer Intern

Dear Janel,

Hope that you are doing well and that your MBA studies at UBC are good. I enjoyed our time working together at Intel. I have learned a lot from you and am grateful for the experience. Also, thank you again for agreeing to refer me for my last job application.

Currently, I am looking for another internship position as a software developer at SAP, and was hoping that you would be willing to be my reference for this position as well. If you are comfortable with affirming my knowledge and skills, I would truly appreciate it. Thank you for the consideration.

If you may need it, I will attach my current resume and job advertisement. Please feel free to contact me if you are comfortable with doing so or have any questions. I look forward to hearing from you.

Sincerely,
Roxanne Robles