

# Vivek Rathee

Solutions Architect Practitioner

Toronto, ON

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## Professional Summary:

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- Experienced Software Development Engineer with nearly 6 years in software engineering, specializing in cloud computing and DevOps.
  - As a Work Integrated Project with George Brown College, designed and developed a serverless web-application using services on AWS, including AWS Lambda, S3, DynamoDB, API Gateway, Amplify, CDK, CloudFront, CloudWatch, and Cognito.
  - Experience in Java and Python with object-oriented design, algorithms and knowledge of few libraries.
  - Developed and maintained automotive exchange labels and EDI documents of over 75 Trading Partners (TP) for Infor Technologies.
  - Onboarded 30+ EDI TPs for Agility e-services with Microsoft SQL, IBM Sterling Integrator, and VLTrader.
  - Facilitated cloud-to-cloud migration of custom templates, automated scripts, and operational workflows from InterformNG to InterformNG2, enhancing system efficiency and ensuring compliance.
  - Experience with networking services like VPC, VPN and data transferring protocols like HTTPs, SFTP and more.
  - Exceptional communication skills with the ability to clearly articulate technical challenges and solutions to audiences of all sizes.
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## Professional Experience:

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*Cloud Computing Intern (WIP)*

*Sep 2023 – Dec 2023*

George Brown College ([georgebrown.ca](http://georgebrown.ca))

- Deployed a JSON to PDF Converter using Amazon Web Services (AWS), with a highly scalable serverless architecture, which transforms uploaded JSON files into predefined PDF templates, on a web application (“vrcloudsolutions.com”).
  - Implemented microservices on AWS, including AWS Lambda, S3, DynamoDB, API Gateway, CDK, CloudFront, and CloudWatch.
  - Created DNS Hosted Zones using Route53, and deployed web-app on AWS Amplify with CI/CD from different GitHub branches within hosting environments, while using AWS Cognito for user authentication.
  - Created frontend using HTML, CSS, and JavaScript.
  - Developed Lambda function in Python and used libraries like boto3 and fpdf2.
  - Created AWS IAM Roles, Policies, VPC, Subnets, Route Tables, IGW, Security Groups, NACLs, and KMS Keys
  - Developed innovative solutions to complex problems, with collaboration of various services contributing to overall system optimization and growth.
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*Software Engineer*

*May 2020 – Aug 2022*

Infor India Pvt. Ltd. ([infor.com](http://infor.com))

- Developed (Java) Groovy Scripts to generate special characters encoded strings for 2D Barcodes like PDF417, DataMatrix, and QR Code and wrote JUnit automated tests.
- Researched and analyzed Label and EDI document guidelines. Gathered all data mappings and requirements.
- Developed Automotive Exchange labels and documents with InterformNG for more than 75 Trading Partners using object-oriented programming best practices.

- Committed changes to SVN and integrated them into the Jenkins CI/CD pipeline in automated build deployments.
- Created hotfix KBs for on-premises customers and informed them with written communication, and updated Infor wiki pages.
- Migrated custom templates, scripts, and workflows from InterformNG to InterformNG2.
- Utilized relational database and query optimization techniques to enhance performance and reliability.
- Led training sessions and provided support to associates.
- Worked on bug fixes and changes, while properly maintaining JIRAs and other internal defect tracking platforms.

*Associate Developer (EDI)*

*Oct 2016 – Apr 2020*

Agility e-services Pvt. Ltd. ([agility.com](http://agility.com))

- Onboarded 30+ Trading Partners with integration tools like IBM Sterling Integrator and Cleo VLTrader.
- Developed maps in Sterling Integrator Mapper after thorough analysis of project requirements, often requiring niche problem-solving skills and attention to detail.
- Wrote SQL Queries to fetch and update TP Tables for onboarding Trading Partners and making transactions current.
- Analyzed large and diverse data sets, identifying hidden problems and patterns to drive improvements in coding hygiene.
- Created communication setups for file transferring with Cleo VLTrader, skilled in protocols such as FTP, FTPS, SFTP, AS2, HTTP, HTTPS, and SOAP web services.
- Created XSLT Stylesheets and integrated them into Business processes with the deployment of maps in production.
- Created communication setups for file transferring with Cleo VLTrader, skilled in protocols such as FTP, FTPS, SFTP, AS2, HTTP, HTTPS, and SOAP web services.
- Performed UAT and fine-tuned post-implementation for quality assurance of the EDI solution provided to the customer.
- Experienced in troubleshooting and recommending resolutions for transaction processing issues.
- Created workflow documentation with Microsoft Visio for every EDI system developed.

### **Education:**

*Cloud Computing Technologies (Postgraduate)*

*Jan 2023 – Dec 2023*

George Brown College, Toronto, ON

*Computer Science Engineering (Bachelor of Technology)*

*Aug 2012 – May 2016*

Ansul University, Gurgaon, Haryana, India

### **Certifications and Achievements:**

*Microsoft AZ-900*

*Jun 2023*

*Dean's Honorary List*

*Winter, and Summer 2023*

### **Technical Skills:**

Databases:

MS SQL, NoSQL (DynamoDB)

Operating Systems:

Linux, Unix, Windows

Programming Languages:

Java, Python

CLI:

PowerShell, Bash