
Education

BASc in Software Engineering with Engineering Management
University of Ottawa

Sep 2012 to Apr 2016

- Academic Director - Software Engineering Student Association

Machine Learning
Stanford University - Coursera

Sep 2018 to Dec 2018

Foundations of Enterprise Architecture
University of Toronto

Sep 2018 to Dec 2018

Summary

- Designed and Developed payment chatbot for Paymentus
- Integrated IVR systems with voice recognition APIs
- Developed mobile payments application for Telepin Software
- Lead teams of 3-6 developers for multiple projects
- Developed program using ML to detect hand writing
- Self starter, took initiatives to improve business processes
- Entrepreneurial, failed TutorStaff, Parkin, working on Freshbe
- Developed Android Application with 41000+ downloads
- Designed and developed distributed web applications
- Automated testing for apps, Web front and back end
- Contributed to a migration from a giant monolith to SOA
- Managed multiple projects in Deadline-Driven Environments

Areas of Expertise

- Languages: Java, JavaScript, Bash, PL/SQL, Ruby, C, C++, Python, Expect
- Web Frameworks: Spring MVC, Struts, Ruby on Rails, ExpressJS, Sails, Node, Dropwizard
- Mobile Frameworks: React Native, Android, Ionic, PhoneGap/Cordova
- Notable Libraries & APIs: Mocha, Mockito, Chai.js, Jest, Sinon, Puppeteer Selenium, AWS, Google Cloud, Tesseract
- Notable Softwares: Git, Tomcat, Nginx, Dkron, Asterisk, Wordpress, draw.io, Archimate
- Monitoring, Logging & Analytics: Grafana, InfluxDB, Telegraf, Elastic Search, Kibana
- Databases: PostgreSQL, Oracle SQL, MySQL, MongoDB (NoSQL)
- Frontend: HTML, CSS, AngularJS, ReactJS, React Native, jQuery, KnockoutJS, d3, Bootstrap, EJS, Freemarker
- Virtualisation: Docker, Kubernetes, AWS/EC2, Vagrant, VMWare
- Chatbot & NLP/NLU: Microsoft LUIS, dialogflow, Amazon Lex

Professional Experience

Senior Software Engineer
Paymentus, Toronto

May 2016 to Present

- Develop a complete payment solutions (portals, IVR systems, etc) for a variety of clients
- Develop integrations between Financial Systems and CIS
- Develop and maintain different portals for end users and agents
- Contributed to a migration from a giant monolith to SOA
- Trusted with designing & fast delivery of PoCs
- Designed and Developed chatbot to accept payments, along with other inquiries
- Integrated IVR systems with voice recognition APIs
- Part of code reviewers team and regularly review design documents

- Contributed to change in culture and organization
- Gather and evaluate user requirements in collaboration with product managers, engineers, and customers
- Lead implementation projects, help create EPICs => User Stories => Sprints etc.
- Mentor junior developers
- Took initiatives outside hours on PoCs that changed business processes
- Technologies used: Java, Spring, Javascript, Node, React, FreeMarker, HTML, CSS, Amazon S3, Oracle DB, Tomcat, DailogFlow, Google Cloud APIs, Microsoft LUIS, Struts, Mocha, Mockito, Docker, AWS, Asterisk, Nginx, OCR

Lead Technical Consultant (Contract)

Sep 2018 to Nov 2018

iQonsulting, Toronto

- Engaged with a marketing organization in the health industry
- Participated in process re-engineering exercises
- Documented current state architecture
- Created & documented future state architecture with IT roadmap
- Suggested technologies to improve business processes by 50%
- Lead interviews with IT department and other stakeholders
- Weekly presentations with senior management

Technical Consultant & Full Stack Developer (Contract)

Mar 2014 to Dec 2016

Agile Governance Services, Toronto

- Architected and developed a secure community portal with a user centered design
- Devised functional and non functional requirements
- Provided technical consultation on different technologies i.e RFID, Solar Panels etc.
- Suggested technology solutions to improve processes
- Interviewed 30+ end users for a user centered design
- Lead a team of 2 developers
- Technologies used: Ruby on Rails, PostgreSQL, Javascript, CSS, HTML, Bootstrap, Vagrant, Amazon S3

Cloud Developer

Sep 2015 to May 2016

Clearwater Clinical, Ottawa

- Developed innovative mobile medical solutions
- Built RESTful API that was consumed by a secure React web portal used by doctors
- Built Business Intelligence (BI) dashboards using React and d3
- Built automated PDF reports for audiometry test
- Automated testing using JUnit and Mocha
- Technologies used: Java, Dropwizard, ReactJS, Mocha, JUnit, Bootstrap, d3, FreeMarker, Node, Amazon S3, HTML, CSS, iText

Mobile Application Developer

Jan 2015 to Apr 2015

Telepin Software, Ottawa

- Developed android and cross-platform mobile application for mobile payments
- Designed 3 tier architecture server
- Automated scripts for Testing Android, web applications, and USSD menus
- Wrote documentation on Confluence for technical and non-technical personnel
- Atlassian Jira used for issue tracking
- Technologies used: Java, Android, PhoneGap, Ionic, Oracle SQL, Expect, AngularJS, Bootstrap

Notable Projects

Cofounder & CEO

June 2018 to Present

Freshbe

- Reinnovated the way barbers and customers interact
- Conducted interviews for a user centered design while working with UX designers
- Validated the solution by interviewing end users
- Architected front end & RESTful API using tested design patterns
- Published findings/tutorials on Medium to share with the development community
- Created and Managed product backlog, used Kanban approach for project management
- Lead a team of 2 senior developer, 3 junior developers, and 1 UX designer
- Setup development best practices for the team i.e automated testing, code reviews, CI/CD, design docs, etc.
- Conducted frequent standups to keep team unblocked and on schedule
- Worked with the team to create requirements document, technical designs, and Product roadmap
- Technologies used: Javascript, JSX, ExpressJS, React Native, PostgreSQL, CircleCI, Docker, Amazon S3, Mocha, Jest

Android Application Developer

Jan 2013 to Sep 2015

Self-Employed

- Create user friendly, and efficient applications
- Developed 40 Rabbana Duas (41000+ downloads)
- Developed Escape (700+ downloads)
- Developed Line Maze, One Ayah a Day (150+ downloads)
- Technologies used: Android, Java, libGDX, facebook API