
About

Senior Software Engineer with a strong interest in AI/machine learning, mobile apps, and web development. I am always working on new projects with a passion to explore software technologies. My experience includes, but is not limited to, web development, chatbot development, OCR, Cross Platform and Android development, and entrepreneurship.

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, Node, Dropwizard, FreeMarker
- Mobile Frameworks: React Native, Android, Ionic, PhoneGap/Cordova
- Notable Libraries & APIs: Mocha, Mockito, Chai.js, Jest, Puppeteer Selenium, AWS, Google Cloud, Tesseract
- IDE: Eclipse, Visual Studio Code, Sublime, Android Studio, Netbeans, IntelliJ, pgAdmin, SQL Developer, DBeaver
- Software: 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
- 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
- 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.
- 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, DialogFlow, Google Cloud APIs, Microsoft LUIS, Struts, Mocha, Mockito, Docker, AWS, Asterisk, Nginx, OCR

Lead Technical Consultant (Contract)

September 2018 to November 2018

PSL Group, Toronto

- Participated in process re-engineering exercises
- Documented current state architecture
- Documented future state architecture with IT roadmap
- Suggested technologies to improve business processes by 50%
- Weekly presentations with senior management

Technical Consultant & Full Stack Developer (Contract)

March 2016 to April 2017

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 3 developers
- Technologies used: Ruby on Rails, PostgreSQL, Javascript, CSS, HTML, Bootstrap, Vagrant, Amazon S3

Cloud Developer

September 2015 to April 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
- Technologies used: Java, Dropwizard, ReactJS, Mocha, JUnit, Bootstrap, d3, FreeMarker, Node, Amazon S3, HTML, CSS, iText

Mobile Application Developer

January 2015 to April 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, Node, Oracle SQL, Except, HTML, CSS, AngularJS, Bootstrap

Academic Director

September 2014 to October 2015

Software Engineering Student Association, uOttawa

Education

BASc in Software Engineering with Engineering Management

Sep 2012 to Apr 2016

University of Ottawa

Machine Learning

Sep 2018 to Dec 2018

Stanford University - Coursera

Foundations of Enterprise Architecture

Sep 2018 to Dec 2018

University of Toronto