Stefan Rokitnicki-Wojcik

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SKILLS

- Strive to be continuously challenged
- Team player and enthusiastic while working in groups
- Easily adapt to new information and efficiently work through feedback
- C++, Express.js, Go, JavaScript, jQuery, Node.js, Python
- AWS, CouchDB, Elasticsearch, MongoDB, PostgreSQL, RabbitMQ, Redis

EXPERIENCE

Software Engineer, Diamond Inc.
San Mateo, California/ Kitchener Ontario — 2015-present diamond.io

- Architected and implemented a fast, scalable, and fair task processing system (Node.js, RabbitMQ, and Redis)
- Integrated Box, Dropbox, Google Drive, macOS, and Outlook APIs using the above task processing system to sync and index user files and emails for our search application
- Act as lead manager for the Canadian office, and supervisor for the co-op student hiring process from applicant to exit interview
- Built a file watching process to ensure user files were always in sync with our cloud (AWS S3, Node.js)
- Designed and developed file importing on macOS using the cargo design pattern for optimal import speeds (Node.js)

Web Developer, Kik Interactive Inc.
Waterloo, Ontario — 2015 kik.com

- Using data from Mixpanel, designed and implemented a model used to increase retention for new Kik Points users (Google App Engine)
- Implemented the Kik Points Bot offer completion logic, and stabilized communication to the AI layer to make the bot production-ready (Node.js)
- Developed the backend for an invite award system that Kik Points uses (Google App Engine)
- Created a cron job which analysed and killed all poorly performing live Kik Points offers

Web Applications Developer, TextNow
Waterloo, Ontario — 2014 textnow.com

- Implemented WebRTC technologies to update TextNow.com web calling and increase its stability
- Converted old php TextNow subdomains and merged them into a single application to develop a web portal (Express.js, Node.js)
- Created a single page web application that allows TextNow users to manage their personal information in order (Angular.js, Node.js)
- Rewrote the store application to utilize dynamic pricing and templates as opposed to having static assets and data (EJS, Node.js)

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EDUCATION

University of Waterloo
Bachelor of Computer Science, Waterloo, Ontario — 2011-2016

PROJECTS

LoL Personal Counter (website enables League of Legend players to find useful stats)
- Built an open-source website using a Golang, PostgreSQL, and Javascript application stack
- Aggregated stats, such as win percentage, from hundreds of thousands data points and stored it in a PostgreSQL database
- Implemented a template matching system to help parse incomplete game matchup information

Project Sobeys (website helps users find the best prices in flyer deals at Sobeys grocery stores)
- Implemented a web scraper and AutoHotKey scripts to help parse grocery store flyers
- Built a server-side backend, parsing algorithms, and a user facing web application to display the best grocery deals within a 15km radius of the given postal code (Backbone.js, CSS3, Mongodb, Node.js)

Survey Hide (website allows users to register and create custom surveys)
- Designed a custom survey building UI (Backbone.js, CSS3, HTML5)
- Implemented a password forget feature as well as survey editing, preview and deletion, team creation and survey completion statistics (Mongodb, Node.js, Passport.js)

Participant at Hack The North 2014
http://devpost.com/software/marvin-the-paranoid-android

- Created a digital personal assistant a user asks a question through texting or calling which is then answered using Freebase or Wolfram Alpha (Wit.ai and Twilio)
- Won Microsoft Api Challenge

VOLUNTEER

Hack The North 2015
- Created the landing page using HTML5, Javascript and CSS3
- Mentored new volunteers with website creation who were unfamiliar with front-end technologies

Please see my github account for more projects such as R, Hop Potato, Bonified, and Match-3