KYLY VASS

SUMMARY OF QUALIFICATIONS

Highly motivated and versatile Software Development Engineer with comprehensive leadership talent. Seasoned Java developer with an emphasis on end to end development of user facing applications. Eager to work through and understand complex business requirements. Happiest when facing large challenges and aggressive deadlines. Self-starter willing to give the job whatever it takes to deliver a product with the best possible results. Experienced in relational databases, extensive experience in frameworks, specializing in diversified multilingual development environments, designing reactive micro services and high availability (HA) with effective security principles. Outstanding interpersonal and communication skills. Innovative, processes orientated and able to think outside the box and meet a deadline with a working solution.

CORE COMPETENCIES

Java Script	C, C++, .NET (C#)	
Java	Typescript	Play
Spring Framework	AngularJS 1.5/2	React
CSQL/SQL/MySQL/PostgreSQL	Ionic/Cordova	PHP
Shell Scripting	SVN, Git, Perforce	JNA/JNI

OTHER PROFICIENCIES

Maven, Make, Python, Grunt, Gulp, Webpack, JQuery, CSS, Functional Languages such as Scala, Haskell, Ocaml

PROFESSIONAL EXPERIENCE

Intuit (2017 to present)
Currently designing and implementing internal tools used to accelerate re-platforming. Our team is on the front line of a company-wide effort making authoring tools used by content writers and accountants to create core artifacts used for Intuits flagship products including well-known software like Turbo Tax Online and Turbo Tax Pro.
Senior Software Engineer
- Improved reliability and decreased test surface by generalizing serialization of business artifacts. This included artifacts for configuring tax calculations in the Tax Platform. Implemented a schemas mapping entities to artifacts. Although mapping and model in some cases was not possible I was able to create an awareness of the issues and specify workarounds. Logic for parsing could be removed and validation could be handled by the Java endpoint. As a result, our team was able to rapidly implement new features while being more flexible to upstream changes.
- Reduced boilerplate code, encouraging code reuse and discoverability by creating service standards/best practices across multiple applications. These changes include breaking out common UI functionality and generalizing Java service code into reusable libraries. Consequently our team was able to implement common interfaces and API's for our tools, making it possible for team members to work across applications.
- One of a few developers encouraged to work across the various applications on which our team was working, due to my skill in grasping business requirements and system architecture. I was made point of contact for the tax analyst using our tools and engineering teams that consumed the artifact our tools produced.

Ingenu San Diego CA (2015 to 2017)
Ingenu is creating the IoT space and building the only network designed from the ground up to support the connectivity requirements of machines.
Software Engineer
As Software Engineer/Technical Lead for Ingenu, I developed carrier-grade systems suitable for public and large-scale enterprise multi-application networks.
- Designed client side system for a platform user interfaces and API called Intellect. This includes but is not limited to design and implementation of a single page web application (AngularJS), platform micro services (Java Spring), relational (MySQL) and non-relational (Cassandra) databases.
- Lead a team of Software Developers by setting coding guidelines, ensure performance standards, design and usability discussions with multiple stakeholders.
- Lead and managed team tasks using "Agile management" using incremental method of managing the design and build activities of engineering, information technology and other business areas that aim to provide new product or service development in a highly flexible and interactive manner.
- I also optimized the development process by creating clear object oriented coding and testing guidelines. Decreased time spent testing and writing code, making the final product more reliable.

- Streamlined client development by creating an API interface tool to generate source code from Swagger API JSON schema. I have decreased unnecessary, redundant code. Allows third parties to easily integrate with our platform.
- Write Technical documentation, run Quality Assurance code reviews, assessments of performance goals internally and for clients.

Logistic (2013 to 2014)
Developed employee and customer facing software. Most notably I authored a desktop application that helps employees and employer track hours at company workstation. This program was made using Java and the JNA API.
Software Engineer
- Developed and tested software remotely and integrated it into existing software.
- Worked with existing client facing software to improve cross platform compatibility.

Freelance Technical Consulting & Software Development   (2011-2015)
Developed various desktop and web applications for a series of commercial and non-commercial clients.
- **Beevio.com:** Optimized searching and rendering of appointments in a database driven application. Adapted scheduling calendar to a modern responsive format using JQuery, HTML, and CSS.
- **Me Widget:** This WordPress plugin provides a simple way to incorporate and customize your Gravatar profile in an easy to style widget. The widget was created using PHP, JQuery, HTML, CSS, and the WordPress API.

San Diego Pacific Oncology & Hematology, *(2009 to 2010)*
Pacific Oncology has 5 full service Clinics with 70 employees.
Part Time IT Architect Engineer Assistant
- IT architecting assistant, training for internal employees on using the new system, engineering and redesigning of (ambulatory sites) five North County Oncology treatment centers. Assisting in the planning and execution of, medium to small projects. This includes design of hardware racking of a new SAN (storage area network) solution, cabling and access point implementations.

Undergraduate Research Projects

The Forward Project (http://forward.ucsd.edu/visualizations.html)

Rich visualizations and collaborative workflows require only a few lines of SQL-based code and visualization/interaction markup.

- This is a MVVM declarative, rapid development framework for data-driven Ajax reports and applications. I created a web socket interface for the UI Framework interface. I also created a backend framework using NodeJS which atomically generated materialized views in Postgress that generated events with aggregate data for client end views.

Square point Concrete Construction, Las Vegas NV, San Diego CA, Denver CO, (2000 to 2011)
Square Point was a concrete construction company specializing in decorative high end concrete for casinos, homes and commercial enterprises.
- Working as a concrete contractor with my father allowed me to gain experience as a leader and an employer.
- Communicated directly with clients, and prospective customers to turn their ideas into completed projects.
- Guided crews to meet deadlines and clearly outlining expectations while also facilitating a productive team environment.
- Efficiently maintained complex budgets by accurately accessing resources needed and completing jobs ahead of schedule.

EDUCATION
UNIVERSITY OF CALIFORNIA SAN DIEGO JACOBS SCHOOL OF ENGINEERING
- *Bachelor of Science/Major in Computer Science*: *Graduating Cum Laude*

MIRACOSTA COLLEGE, OCEANSIDE CA
- MAJOR IN SOFTWARE ENGINEERING

RED ROCKS COMMUNITY COLLEGE, LAKEWOOD CO
- *COMPUTER PROGRAMMING LANGUAGE COURSES*