JACOB **BRAUER**

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I build software used globally, currently in the Healthcare IT domain. I have led the development of open source, commercial, and cloud-based SaaS solutions. Currently, as VP Engineering at SymphonyRM, I am focused on building a platform that leverages data science in healthcare to drive value for patients, providers, and health systems.

EXPERIENCE

JUNE 2019 – PRESENT

VP ENGINEERING, SYMPHONYRM

SymphonyRM is a Palo Alto based startup with offices in Palo Alto, Irvine, and Pittsburgh. We are focused on leveraging data science in healthcare to drive value for patients, providers, and health systems. Our HealthOS Platform enables health systems to orchestrate a goal-focused dialogue with its consumers, utilizing advanced algorithms to prioritize and orchestrate multi-channel engagement.

MARCH 2014 – JUNE 2019

DIRECTOR, SOFTWARE ENGINEERING, NEXTGEN HEALTHCARE

– Led the new architecture, technology stack, and design of the Connected Health Solutions (formerly Mirth) application suite. This scalable platform is the foundation for all Connected Health Solutions at NextGen Healthcare.
– Focused on SaaS deployment using AWS, building a horizontally scalable platform using a microservice-based architecture.
– Implemented a continuous delivery pipeline (CI/CD) with daily releases to production using blue-green deployment.
– Successfully led multiple teams on different products through a Lean Agile Journey, transitioning development to a true Scrum methodology.
– Worked to launch and onboard multiple offshore Scrum teams in NextGen's Bangalore Development Center.
– Oversaw all architecture, development, and design of the NextGen Health Data Hub (formerly Mirth Results 3), a cloud-based clinical data repository. Technologies used: Node.js, AngularJS, Java, RabbitMQ, Elasticsearch, Redis, Postgres NoSQL

SEPTEMBER 2013 – MARCH 2014

SENIOR SOFTWARE ENGINEER, NEXTGEN HEALTHCARE

– Worked as the project lead on Mirth Results, a clinical data repository to aggregate longitudinal patient records from disparate systems and data sources.
– Continued product owner of Mirth Connect, controlling the roadmap and direction of the product.
– Led an effort to commercialize enterprise extensions for the open source Mirth Connect.
– Transitioned from leading engineering on multiple Mirth products to be the Director of Software Engineering on Mirth Solutions. This transition helped continue team and product growth for Mirth solutions, now a part of NextGen Healthcare.

APRIL 2009 – SEPTEMBER 2013

SENIOR SOFTWARE ENGINEER, MIRTH CORPORATION

- Worked as one of the project leads to design and develop Mirth Connect 2.0, the first major overhaul of Mirth's integration engine that included heavy modification of Mule, Mirth's enterprise service bus.
- Built and managed an open source community of over 25,000 users, with public services including forums (vBulletin), a wiki (Confluence), and an issue tracker (JIRA).
- Designed and led the development of Mirth Connect 3.0, Mirth Corporation's most significant release of Mirth Connect to date. This multi-year project included the hiring of multiple team members and architecting a new messaging engine (Mule ESB replacement) from the ground up.
- Scoped and led long term development contracts for clients.
- Played a substantial role in the growth of Mirth Corporation and its product suite. After significant growth, Mirth Corporation was acquired by QSI / NextGen in September of 2013.

APRIL 2006 – APRIL 2009

SOFTWARE ENGINEER, WEBREACH, INC.

- Worked on the core Mirth development team to design and release Mirth 1.0, an open source healthcare integration engine. Mirth is a client-server application written in Java and using technologies like Java Web Start, Swing, SQL, and JavaScript.
- Helped to build a sustainable open source model for Mirth based on support and services.
- WebReach, Inc. began to focus entirely on Mirth branded products. WebReach rebranded itself as Mirth Corporation and Mirth as Mirth Connect in April of 2009.

JULY 2005 – APRIL 2006

SOFTWARE ENGINEER CO-OP, UNISYS

- Worked on the Unisys Java Virtual Machine, a custom implementation of the JVM for the Unisys ES7000 servers.
- Designed and created the Cameleon application, which emulates client applications for testing specific use cases on the Unisys JVM.

EDUCATION

DECEMBER 2016

B.S. INFORMATION & COMPUTER SCIENCE, UNIVERSITY OF CALIFORNIA, IRVINE

Cum Laude, Dean's Honor Roll each quarter

SKILLS

- Software as a Service (SaaS)
- Cloud Based Development
- Services Oriented Architecture (SOA)
- Microservices Architecture

- Global Development Team Management
- Agile Development
- Scrum, Lean, & Kanban
- Continuous Integration & Delivery (CI/CD)

ACTIVITIES

Apart from being a software engineer, my hobbies include travel, music, technology, cars, and outdoor activities. In the winter, I am an avid snowboarder, primarily on the slopes of Mammoth Mountain. In the summer, I enjoy remaining active by hiking local mountains and forests.