

# JOSE (JOE) CAVAZOS

6444 Burnet Rd #504, Austin TX 78757 · (956) 744-2427

Email // [joe@jlcavazos.com](mailto:joe@jlcavazos.com)

Web // <https://jlcavazos.com>

[LinkedIn](#)

[GitHub](#)

[GitLab](#)

[Toptal](#)

[Codementor](#)

- **Software engineer with 10 years of professional experience** developing multi-tiered enterprise applications using a variety of languages, frameworks, and technologies
- **Customer-focused** with a successful history of interacting with customers and users to translate business and technical requirements into deliverable solutions
- **Quality- and ownership-driven**, insisting on clear, concise, and extensible code in keeping with best practices for the language and environment

## MEMBERSHIPS / ENDORSEMENTS

Toptal

Codementor / Arc

## CORE COMPETENCIES

- Application design and development
- Unit and functional testing
- Code quality and best practices
- Object-oriented design
- Problem solving, troubleshooting
- Communication skills

## TECHNICAL SKILLS AND EXPERIENCE

- Java / JEE
- TeamCity
- REST API
- CDI (Guice, Seam, EJB)
- IntelliJ / Eclipse
- JBoss, Tomcat, Jetty
- Agile development
- JSP
- MongoDB / NoSQL
- SQL (MySQL, Oracle)
- Spring MVC, Spring Boot
- Sonatype Nexus
- UNIX environment
- Scripting (Bash, Shell)
- JSF (RichFaces)
- VCS (Git, Mercurial)
- Maven, Gradle
- Apache Kafka
- ORM (Hibernate, JPA)
- iText
- XML / JSON
- JavaScript / AJAX
- HTML / CSS
- Amazon Web Services (AWS)
- Junit, TestNG
- Apache Solr

## EXPERIENCE

MAY 2020 – SEP 2020

**JAVA ARCHITECT / SOLUTION LEAD, ANTHEM (REMOTE)**

Provided high level architectural guidance for features related to a Java-based web application used to search for medical providers. Communicated across scrum teams to scope and prioritize issues and manage performance testing.

**DUTIES:** High level guidance for scrum teams, scoping sizing and time/complexity estimations, managing performance testing

**MAJOR ACCOMPLISHMENTS:**

- Worked with external teams to implement an asynchronous reporting mechanism utilizing their exposed REST API
  - Communicated with external team to compile requirements and bridge gap with developers
- Deep dive into implementation of Apache Solr in Java-based search application to identify areas for improvement and ideas for enhancement
  - Targeted indexing
  - Data configuration

**SEP 2018 – APR 2020****SENIOR SOFTWARE ENGINEER, PRICELINE (REMOTE)**

Developed and maintained a suite of internal web applications to support Priceline's hotel booking and airfare shopping systems.

**DUTIES:** Feature development, bug fixing, code reviews, responding to/diagnosing system outages

**MAJOR ACCOMPLISHMENTS:**

- Brought several web applications from 0% test coverage to 60%+
- Project lead on greenfield Spring Boot application querying several different REST and SOAP APIs containing airfare itinerary and pricing information
  - Extensive use of multithreading to achieve necessary throughput of searches and storing of results

**--- TRANSITION TO CONTRACT/REMOTE WORK ---****DEC 2017 – AUG 2018****SOFTWARE ENGINEER IV, MITRATECH (AUSTIN, TX)**

Senior technical resource for a team of engineers developing and maintaining customer-facing web application

**DUTIES:** Feature development, bug fixing, code reviews, mentoring junior developers, unit and integration tests

**MAJOR ACCOMPLISHMENTS:**

- Architected and developed new REST endpoint for application, including database models, remote objects, and business logic to consume and transmit information

**MAY 2010 – PRESENT (PART-TIME/REMOTE FROM SEP 2013)****JAVA DEVELOPER / PROJECT LEAD, INT'L TRIP PLANNING SVCS (HOUSTON, TX)**

Primary developer for enterprise Java application used by trip planning agency

**DUTIES:** Feature development, bug fixing, code reviews, unit and integration tests, application roadmapping, feature planning, prioritization

**MAJOR ACCOMPLISHMENTS:**

- Robust "requesting" framework for automating permitting and customs requirements for international flights
  - Dramatically reduced man-hours required by operations staff involved in permitting operations
- Implementation of REST API used by custom iPad application
- Increasing test coverage from 0 lines to 17,000 (60%)
- Migration of application from JBoss AS6 to Wildfly 8
  - Seam 2.2 to 2.3, Hibernate 3 to 4, RichFaces 3 to 4

**APR 2016 – NOV 2017**

**SOFTWARE ENGINEER II, APPTIO, INC (BELLEVUE, WA)**

Member of five-person team developing for ancillary application used by Apptio customers to procure data into Apptio's flagship application

**DUTIES:** Feature development, bug fixing, code reviews, unit and integration tests, application support and interacting with customers to diagnose issues

**MAJOR ACCOMPLISHMENTS:**

- Implemented customer authentication with Amazon Web Services (AWS) via role delegation/assumption, in keeping with suggested best practices and supplanting existing method of requiring users to provide access/secret keys ([more info](#))
  - Provided clear, concise documentation to customers for configuring their AWS accounts to allow for role delegation/assumption
- Architected and wrote several "connectors" to seamlessly pull customers' AWS billing data and cloud instance usage into Apptio's flagship application for analysis
  - Immediate benefit to customers seeking greater insight into their cloud-based operations and how it fits into their larger business strategy
  - Required architectural design discussions and cross-team coordination

**OCT 2014 – APR 2016**

**SITE RELIABILITY ENGINEER, APPTIO, INC (BELLEVUE, WA)**

Member of four-person "Site Reliability" team tasked with developing solutions related to instance access and uptime

**DUTIES:** Application development of internal tools, infrastructure management

**MAJOR ACCOMPLISHMENTS:**

- End-to-end development of LDAP-integrated security application guarding access to customer instances
  - Reversed-engineered existing orphaned, undocumented application
  - Benefitted company by providing robust tools for auditing which employees had access to customer instances, and when
- End-to-end development of Dropwizard application to aggregate availability metrics for customer instances
  - Integration with Pindgom, JIRA, and internal APIs
  - Used by operations staff to pinpoint and diagnose customer outages and calculate impact on SLA
  - Provided charts and summaries for VP-level executives surfacing trends and highlighting problematic customers/instances for targeting
  - Required frequent cross-team collaboration with support and operations to determine which data were important and how to classify them

**SEP 2013 – OCT 2014**

**ENGINEERING SERVICES, APPTIO, INC (BELLEVUE, WA)**

Member of four-person Engineering Services team tasked with developing and maintaining engineering infrastructure

**DUTIES:**

- Maintenance of VCS (Git, Mercurial), build pipeline (Sonatype Nexus, TeamCity)
- Development/support, automated testing, QA for internal deployment tool

## EDUCATION

MAY 2010

**B.S. ELECTRICAL ENGINEERING**, RICE UNIVERSITY (HOUSTON, TX)

Computer Engineering specialization

## PERSONAL

- Private Pilot (instrument-rated)
- GitLab: <https://gitlab.com/jcavazos>
  - Discord-integrated chatbot + webserver: <https://gitlab.com/jcavazos/tsdbot2>
    - Includes really neat video library and broadcasting framework leveraging **ffmpeg** and a job-polling framework, enabling users to place an “agent” on their hard drive and make their video libraries available for broadcasting after some configuration
    - Hosted in AWS / Elastic Beanstalk
  - IRC-integrated chatbot: <https://gitlab.com/jcavazos/tsdbot>
  - “Aviation Weather” skill for **Amazon Alexa**: <https://gitlab.com/jcavazos/avwexa>
  - Crypto-currency trading bot (closed source, but happy to discuss and give guided tour)
    - Hosted in AWS / Elastic Beanstalk
    - Written on top of Spring Boot
    - Uses MongoDB / NoSQL
    - Strategies: moving-average crossover, arbitrage