Joshua Liu Singer

Software Engineer

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in https://www.linkedin.com/in/joshualiusinger/   ○ https://github.com/Jsinger808/

Skills

Back End
- Java (Spring Boot)
- JPA
- Hibernate
- Maven
- REST API
- SQL

Front End
- JavaScript (jQuery)
- HTML/CSS
- Bootstrap

DevOps
- AWS
- GitHub

Other
- Unit Testing (Mockito)
- Integration Testing (MockMVC)
- Technical Writing

Projects

Java ⊡
- CRUD/MVC database web app that uses JavaScript + Spring Boot + Maven + JPA + Hibernate + REST APIs + MySQL/H2
  - Controller/Service/Repository structure for REST APIs to connect to MySQL DB.
  - Custom SQL queries to find an employee by email address or employees with soon-to-be-expired access.
  - Custom functions that convert DTOs to JPA entities (POJOs) and vice-versa.
  - Proper error handling, unit tests, and integration tests with 100% controller test coverage.
    - Populates an in-memory DB (H2) with data for integration tests.

Amazon Web Services
- Serverless Web App Architecture that uses API Gateway, Lambda, State Machine, SES, and SNS.
  - Zero storage costs besides the static website html files hosted in an S3 bucket (fractions of a cent).
- Evolved WordPress web server hosted on a single EC2 instance to a scalable architecture that uses an Auto-Scaling Group, Elastic Load Balancer, RDS, and EFS.

Professional Experience

Technical Writer/Access Control, *eWorld Enterprise Solutions, Inc.* ⊡   04/2021 – Present │ Remote
A software consulting company with expertise in web application development, Java, JavaScript, cloud services, analytics, mainframe legacy systems, webservices, and project management.

- Independently pitched and programmed a Java database tool to better track and store 100+ employees' DHS access (project referenced above) potentially saving 100s of hours in manually searching.
- Performed weekly on-call maintenance & operations for eWorldES' biggest client, The State of Hawaii's Department of Human Services (DHS), 30+-year-old mainframe that distributes $200,000,000+ a year in federal aid for 150,000 Hawaii residents.
- Guided eWorldES' first NIST CSF assessment by writing over a third of its cyber security deliverables.
- Wrote 20+ technical documents used internally and for DHS projects supporting 50+ CX agents and CX trainers.
- Troubleshooted DHS-related Active Directory and SecureLink (VPN) errors for the successful launch and support of DHS's biggest CX project, Ohana Nui, that employs 30+ eWorldES CX agents and 7 eWorldES developers.

Certificates

- Security + ⊡
- AWS CCP ⊡
- AWS SAA-02 ⊡

Education

BS - Software Development, *Western Governor University*   2022

MFA - Screenwriting, *Loyola Marymount University*   2019

BA - English, *Willamette University*   2016