Hantsy Bai
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Bai has over 20 years software engineering experience, including 10 years freelancing and consulting experience. He has significant experience in building large-scale distributed systems, design and implementation of RESTful API, modernizing legacy applications(eg, upgrading to the latest tech stack, or migrating monolithic applications to Microservice architecture, etc.) , pragmatic agile programming coach etc.

He is also a blogger, twitter, and open source contributor. In 2012, he was invited by Redhat to attend 2012 JBoss User and Developer Conference in Boston and received the 2012 JBoss Community Recognition Awards.

Community activity:

1. Contributor of JBoss Arquillian, Quarkus, Netflix DGS framework, Spring projects (Spring Framework, Spring Data, Spring GraphQL, etc.), Eclipse EE4J (Jakarta EE , Cargo Tracker, etc.)
2. Winner of 2012 JBoss Community Recognition Awards
3. Chinese translator of book: [Spring Live(the earliest and famous Spring book from Matt Raible)](#) (The original link is broken, this links is the result in Google. The book source is organized in Docbook format)
4. Chinese co-translator of book: [The NG2 BOOK(the famous Angular 2 book)](#)
5. Co-reviewer of book: [Arquillian Testing Guide(Packt publishing)](#)
6. Co-reviewer of video course: JBoss EAP Configuration, Deployment, and Administration (Packt publishing)
7. Author of [Click4NB(a NetBeans plugin for Apache Click framework)](#)

Expertise:

- Hands-on experience of the mainstream software architecture patterns,   including REST, CQRS, EDA, EIP Enterprise Integration Pattern (EIP) (Apache Camel, Spring Integration), Microservices/Cloud Native applications, etc.
- Solid knowledge of SDLC (waterfall and agile/scrum), familiarity with software engineering and project automation.
- Plenty of agile development practice and experienced in growing team
- Lots of experience of modernizing legacy applications
- Passionate, enjoying challenges in daily work, and always a self-learner and

practitioner, experience in resolving complex problems

Skills:

Java:

The highlight items are frequently in my daily development (real projects and personal stuff).

- Java 8+(Optional, Stream, Future, etc)-17(Text Block, Record, Pattern Matching, Sealed, etc)
- JUnit 4/5, Mockito, TestContainers, RestAssured, WireMock, JsonPath, HtmlUnit/WebDriver etc.
- Java EE/Jakarta EE specifications(EJB, JPA, CDI, JSF, JAXRS, etc.) and JBoss Arquillian JVM testing framework to test Jakarta EE components with Glassfish/Payara, WildFly/JBossEAP, OpenLiberty, etc.
- The popular frameworks including Microprofile, Quarkus, Helidon, Eclipse Vertx, Spring Stack (WebMVC, WebFlux, Spring Session, Spring Data, Spring Security, Spring Integration, Spring AMQP, Spring Batch, etc.), Spring Boot, Spring Cloud, Spring Boot Test.
- Reactive Streams, and Reactive Programming(Rxjava, Reactor, SmallRye Mutiny)
- Design and implement RESTful APIs archived Richardson Mature Model (Level 2 or Level 3) using Jersey/Resteasy, Spring, Eclipse Vertx, Apache Camel Route etc.
- Experienced in messaging broker, such as AMQP/Rabbit MQ, Apache ActiveMQ/Artemis, Apache Kafka etc. And EIP, eg. Spring Integration, Apache Camel, etc.
- Other JVM languages, such as Kotlin, basic knowledge of Scala and Groovy.
- Popular application servers/web servers, Apache Tomcat, Eclipse Jetty, Glassfish/Payara, WildFly/JBossEAP, OpenLiberty, etc.

PHP:

I have one-year full-time PHP experience and also completed some small freelance PHP projects. But I have not frequently used it in these years.

- OOP programming in PHP 8
- Doctrine
- Symfony/CakePHP/Zend
- PHPUnit

NodeJS:

I have done some small standard NodeJS/express/mongoose projects and an AngularJS/Firebase project. Most of time, I am a fan of Angular.

- NPM/Yarn/Gulp/WebPack/Babel
- Javascript(ES6+)/Typescript
- Frontend stack: Angular/RxJS/AngularFirebase
- Backend stack: ExpressJS/Mongoose/NestJS
- Jest/Cypress

Database:

In development stage, I usually use Docker/K8S to serve all dependent services, including databases, app servers etc.

- RDBMS(H2, MySQL, Postgres, MSSQL, Oracle, etc)
- NoSQL(Mongo, Redis, Neo4j, Cassandra, Couchbase, Elasticsearch etc)
- Upgrade and downgrade RDBMS automatically by Flyway managed SQL scripts that packaged in application deployments etc.

Engineering and DevOps:

I have worked with some teams that they did not have a DevOps engineer in the startup stage, I helped them to setup a basic pipeline from development to production, and coached the team to contribute codes effectively.

- Solid Git command and Github CLI skills, know well about the popular flows. Familiarity with commitlint etc, to standardize the commit log messages (follows Google Angular regulations) and Github Flow (fork, branch for new feature/task/bugfix, PR, and peer code review, CI for continuous testing, merge into master to trigger a automatic deployment pipeline or perform manual deployment)
- Familiarity with the popular CI/CD service(Github Actions, Circle, Travis, Drone, Semaphore, Codefresh, Shippable, AppVeyor, etc. Example configuration project: https://github.com/hantsy/spring-reactive-jwt-sample and automation(running testing codes on PR/master, and generating testing code coverage report, and code quality report, building and publishing docker image to DockerHub, etc. Familiarity with Codecov, Coday, Code Climate, SonarCloud, etc).
- Containerizing application with Docker and Kubernetes, familiarity with Docker, Docker Compose, Docker Swarm/ K8S.

Personal Website: https://hantsy.github.io

Blog: https://hantsy.medium.com/

GitHub: https://github.com/hantsy

Honors and Awards

2012 JBoss Community Recognition Awards
JBoss division by Redhat
June 2012, Boston

Work Experience

2009-   Self -employed freelancer
2001-2009 Several companies in China

Projects

Next Generation of Payment Platform/U.S./Principle Developer

This platform aims to provide a set of universal RESTful APIs of payment processing.

1. An advanced abstraction layer to implement a super collection of RFC3867
2. Pluginable architecture for the third-party payment instrument providers
3. Universal RESTful APIs(achieved Richardson Mature Model Level 3) for the end developers
4. Dashboard UI for end users and merchants

My responsibility in this project is providing technology support, not limited to writing small MVP applications to demonstrate required technologies according to the business requirements, eg. building the process of the initial reconciliation prototype etc. And also handle over some engineering work, such as assisting team members to resolve the technical problems and clear the technology barriers in the development stage, doing code review on Github pull request from others, maintaining the CI/CD pipeline etc.

Technology stack: Java 8(Stream, Lambda, Function), Spring stack(Boot, Cloud, Data, Integration, Batch, AMQP , HATEOAS, Security etc), PostgreSQL, CircleCI/Docker/AWS, etc

Bifincan.com E-Commerce website/Turkey/Technical Consultant
June 2011 to Aug 2013

An e-commerce website, including shopping cart, intelligent survey and recommendation engine etc.

I worked as technical consultant for this project, and was responsible of high level architecture design, infrastructure setup, security design and implementation, performance tuning, problem resolving, and I also provided code guide for other team members, code review, and candidate interview etc.

Technology stack: JSF2, Prettyfaces, Primefaces(only for backend admin app), Spring 3.1, Spring Security 3, JPA (Hibernate4 , Spring Data JPA), MySQL

Oceanstar/Greece/Core Developer and Lead Developer
Sept 2010 to June 2012

Oceanstar is an integrated administration and management system for a vessel managing company.

In the first version, I was a team member of this project, and responsible for development of some modules. It used Java EE5/Seam 2.2 as framework and adopted JBoss full stack technologies, including JBoss AS 4.2, Java EE 5/Seam2.2, EJB 3, JSF 1.2/Richfaces 3.3, MySQL.

In the second version, the application was refactoried and migrated to Java EE 6. I worked as Lead Developer and completed the most work of migration to Java EE 6 platform, and I am also responsible of implementing new features, such as Requisition and Quotation, Purchase Order, Logistics and

Forwarding etc.

Technology stack: JBoss AS 7, Java EE 6/Seam 3.1, JSF 2, Richfaces 4, EJB 3.1, CDI, JMS, MySQL.

Note: Here I only listed some large freelancing projects done in these years.

Feedback On Projects

★★★★★ 5.00

There aren't many people on Upwork who are as good as Hantsy. Dedicated, knowledgeable and communicative. Overall great experience working together. I hope to work with Hantsy again soon.

★★★★★ Hantsy is the real deal. A true JEE Spring/Hibernate expert. Thank you Hantsy for tweaking our project setup and making it better!

★★★★★ Hantsy is one of the most knowledgeable enterprise Java experts I have ever had a chance to work with. Whatever the problem is, he is sure to find a best-fit solution to engineer over it, and is pretty quick with that, too. I wish I had known him much earlier.

The complete LinkedIn profile: http://www.linkedin.com/in/hantsy