PROFFESSIONAL RESUME

Name: Ciro Grbavac

Role: Team Lead

SUMMARY

IT professional with over 14 years of experience in software development.

I have worked under the Java platform since 2005 and I've been involved in several enterprise JEE projects making use of frameworks such as Struts, Spring, Hibernate and iBatis, among others. I've been involved in the Groovy / Grails world and the dynamic nature they bring to the platform. Currently working on Microservices with Spring Boot.

I've led teams of developers through many clients and I've succeeded in several projects dealing directly with the client.

DOMAIN EXPERIENCE

I've been working in Endava as a Team Lead for Benchmarking and Rail Services companies developing Microservices solution. Those teams were involved in the implementation of the first Service to be extracted from a monolithic application and converted into its own REST API. This was an end to end work, since the early unit/integration testing up to a cloud deployment into AWS either through an ECS cluster setup or with Kubernetes orchestration. We worked in a continuous integration/deployment environment with code reviews and code quality as the core values.

CORE TECHNICAL SKILLS

Programming languages & technologies:	• Java, JEE, Hibernate, Spring, Struts, JSP, Groovy, Grails, Microservices. • **Reporting**: Jasper Server, Jasper Reports • **Web Services**: SOAP, REST • **Web Development**: JavaScript, jQuery, HTML, CSS, XML, XSD, JSON. • **Testing**: JUnit, Mockito, EasyMock, PowerMock, JGiven • **Monitoring Tools:** Splunk, SumoLogic, Cacti, New Relic • **Cloud**: AWS (EC2, S3, Route53, IAM, ELB, CloudWatch, CloudTrail, Lambda, API Gateway, ECS, ECR, Secrets Manager), Docker, Kubernetes, Helm
Databases:	• **Relational DBs**: DB2, Oracle, PostgreSQL, MySQL • **NoSQL**: MongoDB

Build automation tools:	• Ant, Gradle, Maven
Versioning systems:	• VSS, CVS, SVN, GIT
IDEs:	• JDeveloper, Eclipse, IntelliJ
Web servers:	• WebLogic, WebSphere, JBoss, Tomcat, Jetty
Continuous integration:	• Hudson/Jenkins, TeamCity, GitLab
Defects tracking tools:	• Jira
Techniques & Methods:	• **Software Development Methodologies**: Agile (Scrum)

EDUCATION AND TRAINING

Qualifications:	University: Information Systems Engineering (Universidad Tecnologica Nacional). Certifications: Cisco CCNA 1, 2 and 3. Scrum Alliance CSM (Certified Scrum Master), CSD (Certified Scrum Developer) and CAL (Certified Agile Leadership). Oracle OCA 8 (Oracle Certified Associate, Java SE 8 Programmer).
Languages:	Spanish: native English: advanced Croatian: beginner

RECENT PROJECTS

TEAM LEAD IN A BENCHMARKING COMPANY (JANUARY 2020 - MAY 2020)

The client is a Consultancy and Enterprise Benchmarking Company. They have completed benchmarking studies with major corporations and government agencies, providing best practice configuration guides and process flows, which enables their clients and partners to achieve world-class performance.

The main effort from the team involved with this client was tied to their benchmarking web application (Grails/Groovy); more specifically, maintenance, performance improvements and feature development. I joined an existing and solid development team while a major redesign to one of the core features from this benchmarking suite was starting, it was a complete rework to their validate section, which was being built as a SpringBoot microservice. Similarly, a SpringBoot microservice, which handled a Redis cache layer as a service, was being completed at that time and it was implemented as an AWS Lambda with API Gateway triggering it.

The web application used Liquibase (through the Grails Database Migration Plugin) to track incremental database update. The ongoing validate section SpringBoot microservice was completed as a RESTFul API, packaged and published to AWS ECR and finally deployed to an ECS Cluster which we had completely setup from scratch.

One other initiative we followed with the team is to implement a GitFlow development workflow; since it was a big development team across multiple locations with several code repositories responding to multiple initiatives, it had to be coordinated properly to propagate changes across the client environments safely (dev, qa, pre-prod and prod).

Technical Skills and Tools: Grails/Groovy, Java, Spring Boot, Hibernate, Liquibase, Lombok, Swagger, BitBucket, Jenkins, Docker, AWS (ECS, ECR, Lambda, API Gateway, S3, Secrets Manager, CloudWatch, CloudTrail, IAM, ELB)

Tasks:

- business and functional analysis
- fixing bugs
- code management
- technical documentation
- ci/cd
- cloud integration
- ecs cluster setup
- lambda implementation
- working with agile methodologies (scrum)

TEAM LEAD IN A RAIL SERVICES COMPANY (SEPTEMBER 2018 - AUGUST 2019)

The client is a Rail Services Company whose vision is that rails are a vital part of transport and people's travelling experiences.

The initial project we were involved with has been a POC around its main application upgrade to the JDK 10, mostly around investigating/documenting compile time issues (JEE modules stripped from the Java SE platform affected compatibility and a straight upgrade was not possible). There were no efforts to migrate the application to the Java Module System as part of this initiative work.

The main project we worked with it's been to extract the application's train station data into a separate microservice which would be consumed from the main application and central data services. This was an ongoing initiative that we took all the way into the finishing line, from adding code coverage, testing, new endpoints, parity with its embedded/internal service counterpart, kubernetes resources definition, helm chart development, new relic implementation and logging aggregation. The final stage was to kick-off the work along the company's ops team to integrate this microservice into the production environment.

Technical Skills and Tools: Java, JEE, Web Services, Soap UI, Spring Boot, H2, Hibernate, Lombok, Swagger, JGiven, JaCoCo, NewRelic, Logback S3, GitLab, Docker, K8S, Helm, AWS.

Tasks:

- business and functional analysis
- fixing bugs
- code coverage
- swagger implementation
- gap analysis
- unit/integration/e2e testing
- technical documentation
- ci/cd
- cloud integration
- team training
- working with agile methodologies (scrum)

TEAM LEAD IN AN ENTERTAINMENT COMPANY (FEBRUARY 2010 - AUGUST 2018)

The client is a well-known and internationally recognized Entertainment Company ranging from movie production to tv shows and kids channels.

This was a long-term relationship which gave a lot to my personal growth.

We started working on the International Brand supporting all regional teams with core functionality developed centrally. A proprietary framework was the corner stone to this project, along with a proprietary content management system which allowed the producers to dynamically add/update/remove content from the websites that were created/maintained with this framework.

Tools: Java/XML/Freemarker/HTML/CSS/Javascript/MySQL.

The platform was evolving, and the engineering team always assessed how would the framework adapt to continue to enable a rapid site development cycle. As part of these attempts, I had been working on the first updated/mixed version of the framework, which was tried out in the music sites. A document model via XML/XSLT was introduced, with the adoption of Groovy/Grails.

Tools: Grails/Groovy/XML/XSLT//HTML/CSS/Javascript/MySQL.

The first fully-fledged upgrade to the platform was then ready, and I worked to get it implemented into the kid's entertainment sites.

Tools: SOLR Collections, XML Feeds, Groovy Metaclasses, Grails, GORM-like entities/mappers and Grails Taglibs and GSP, Hudson.

The teams were getting familiar with the platform and more challenges came in, as the internationalization on a single site codebase as opposed to many per region/language sites. The dynamic nature from the Groovy language improved the daily development times and added up to the Grails platform adoption. GSP Pages and Grails Taglibs made it easy to create re-usable components. Metaclasses and wrappers had a downside, affecting the heap size and GC cycles and we had to monitor it closely to avoid a performance degradation. The sites were also modernized, frontend wise, and so responsive design techniques plus HTML5 were intoduced.

Tools: Groovy, Grails, HTML5 Components, Responsive Design (Media Queries, etc.).

With the Grails platform stability proven, and a solid knowledge on it, I've got the chance to lead the initiative to upgrade the most important International Sites (European yearly Awards) from an early/legacy platform version to this newest Grails version. This entailed closer ties with the client and the whole development and site creation process.
As a Team Leader over a development team for the International Brand, the responsibilities involved a heavier and stronger communication with the internal client (Production Team) which handles/gathers the requirements from the different clusters/regions. The workflow has been composed of story tickets as the main entry point for requirements, followed by an agreement upon data structure, technical requirements definition and task creation and assignment for the actual development to take place.
Other initiatives involved upgrading the platform Grails version from 1.3.7 to 2.2.2 (this was a major milestone as it also required us to upgrade to Java 8 and Jetty 9) and further along the line into versions 2.4.4 and 2.5.6. We also worked in migrating all the sites' code repositories from SVN to GIT; this was an interesting project and it's been also a challenge for the team to adapt to a new development workflow/strategy. Finally, we were also part of one of the most important decisions company wide, which was to migrate all existing infrastructure to the cloud (this was a year-long joint effort project that affected all the company's sites/teams). In previous stages, we were partially involved in testing attempts over the existing data center to implement OpenStack in order to improve the new infrastructure (VM's provisioning) rolling process.

Tools: Java 8, Tomcat/Jetty, Groovy, Grails (1.3.7/2.2.2/2.4.4/2.5.6), SVN, GIT, OpenStack, AWS (CloudFormation, S3 Buckets, ELB, CodeDeploy, etc.), jMeter, Splunk, SumoLogic, New Relic, Jenkins.

Tasks:
- requirements analysis and definition
- third party software integration
- bug fixing
- new features development
- technical documentation
- workflow definition/implementation
- cloud integration
- user/team training
- working with agile methodologies (scrum)

SENIOR DEVELOPER IN A CAR COMPANY (MARCH 2009 - JANUARY 2010)

The main work was on the GVCT (Global Vehicle Calloff & Trade) project maintenance. This application was designed to allow the dealers to manage the vehicles and orders availability as well as the search for a specific one. It had interfaces with mainframe and several not owned databases, and it had a struts frontend. The core functionality has been implemented via web services, there were BPEL processes that held the business rules for managing the inventory availability and there was a messaging system through MQ, XML, HTTP and SOAP requests that kept the systems in sync. The BPEL & SOA solutions were implemented under an Oracle Platform proprietary software.

Tools: JDeveloper, StarTeam, SQLDeveloper, Ant, Soap UI, WinSCP, Putty, Oracle SOA Suite (OEM, OWSM, BPEL Process Manager) and Weblogic.

Tasks:

- daily health checks
- system monitoring
- root cause analysis meetings
- incident management
- base software upgrades
- weekly reports
- minor bug fixing

DEVELOPER IN A HEALTH INSURANCE COMPANY (JUNE 2008 - FEBRUARY 2009)

I worked in a Modular Re-Engineer Development Project called Pragma. It's been used Maven 2 as project management tool, JPA annotations over Hibernate 3 and Spring 2.0 as a bean container. The application has been developed in layers (manager/business/dao). Struts framework has been used as MVC. Mootools was the Ajax/Javascript framework. Quartz (by Spring integration) has been the jobs scheduler. UML design (class diagrams, sequence diagrams) was used to document the application. HTML prototypes were delivered to the team as a starting point. The application unit testing was implemented with JUnit. There was a strong teamwork. It's been a personal People Management experience by leading a module development unit and team.

Tools: Maven, JPA, Hibernate, Apache Derby, Spring, Quartz, JUnit, JS/Mootools, HTML.

Tasks:

- requirements development
- team follow up meetings
- design implementation
- unit testing
- technical documentation

DEVELOPER IN A HOME APPLIANCES COMPANY (MARCH 2007 - MAY 2008)

The project, PSSA (Product Specific Selling Attributes), managed product specifics, as subscription (revision and approval) and synchronization of common information against a Data Pool (Big Hammer) from the GDSN net (Global Data Synchronization Network). The content management was performed via an Oracle tool and there was a java API to interact with it. The development was done under a proprietary framework (based on the servlet and JSP specifications and it had configurable JDBC support for multiple DB connections). UML modeling, use cases, system sequence diagram creation, class diagrams, design sequence diagram, activity diagram and state transitions diagrams. All the aforementioned modeling was done using the Enterprise Architect software tool. EJB components had to be developed: listener beans (MDB's) and session beans (business logic). Database used: DB2. Batch data and database data accessed via TN32 Terminal.

Tools: JSP, Servlet, JDBC, DB2, UML, HTML, EJB (Session Bean and MDB).

Tasks:

- requirements development
- requirements discussion (via email, versioned q/a documents and phone calls with the business analysts)
- design documentation

DEVELOPER IN A CANDY COMPANY (NOVEMBER 2006 - FEBRUARY 2007)

The project I worked, SGD (Performance Review System), handled the workforce performance reviews based upon fixed objectives, value added and accomplishments' follow-up. It's been developed under a proprietary framework (struts based, plus a services layer). There were Oracle and Informix Databases which were accessed through the iBatis framework and a custom JDBC component respectively. It's been introduced Dojo as Ajax/Javascript Framework for async form submit and validation. It's been used DisplayTag library to present the information and to allow paging and order.

Tools: Struts, DisplayTag, Oracle, Informix, JDBC, iBatis, JS/Dojo/Ajax.

DEVELOPER IN A HEALTH INSURANCE COMPANY (JUNE 2006 - OCTOBER 2006)

The project in which I worked was called: Suba (AFJP Benefits). It was a parameters administration, agenda and interviews management system. It was developed under a proprietary framework (Struts based, with transactions management, hibernate, DAO pattern, security, custom tags). It used Ajax (pure async communication via javascript), JSP, CSS and XML. The deployments were performed under JBoss (Tomcat). It also consumed a web service called Generic Calendar and it had Interactions with other external systems ("Integra" to follow-up workflow processes and "CCG" for contact information management).

Tools: Struts, JBoss, Hibernate, JSP, CSS, XML.

DEVELOPER IN A CREDIT CARD COMPANY (APRIL 2006 - MAY 2006)

The project was called Budget & Forecast (Reporting System). I was involved with developing the interface on HTML, CSS, JSP and JavaScript. This frontend design was done under the credit card company standards.

DEVELOPER IN A CEMENT COMPANY (DECEMBER 2005 - MARCH 2006)

Jobposting (HR – Human Resources Management Application) was the project, and I was assigned to develop upgrades, maintenance and bug fixing on HTML, XML, JavaScript and ASP under Visual Basic 6.0 and SQL Server 2000.