

# Antonio Lagnada

## PROFILE

As a developer, I bring a wealth of experience and a strong skillset to your organization. With my expertise in designing and developing enterprise-wide client/server systems, I can contribute to the success of your projects.

My proficiency in Agile practices, including agile methodologies and test-driven development, ensures that I can deliver high-quality software solutions efficiently and collaboratively.

I am well-versed in leveraging the power of Spring Boot and the Spring Framework, as well as Amazon Web Services (AWS), enabling the development of highly scalable and flexible applications. My proficiency in crafting clean and maintainable code using the IntelliJ IDE ensures optimal productivity throughout the development process.

I am passionate about staying up-to-date with the latest technologies and best practices, allowing me to bring innovative and effective solutions to your team. With my dedication, strong work ethic, and collaborative mindset, I am confident in my ability to make a valuable impact on your organization's development initiatives.

In addition, I bring proficiency in various scripting and programming languages to the table. Beyond my expertise in Java and the Spring Framework, I am skilled in other languages that enhance my versatility as a developer. Whether it's Scala, Kotlin, Python, JavaScript, Lua or other languages, I have the adaptability to work with diverse technologies and frameworks. This breadth of knowledge allows me to approach problem-solving from different angles and find creative solutions. With my well-rounded skillset, I am ready to tackle any development challenge that comes my way.

## EDUCATION

Bachelor of Electrical Engineering (1997); Microprocessor and ASIC Design  
University of Minnesota Institute of Technology, Minneapolis

## CORE STRENGTHS

- Agile Software Development Process (Scrum & Kanban)
- IntelliJ, Java, and Open Source Software Evangelist
- Amazon Web Services
- Test Driven Development, Clean Coding & Extreme Programming Practices (Pair Programming)
- Unified Modeling Language
- High Performance Mission Critical Systems
- ReSTful and SOA Services Development
- Product Enhancement & Optimization

## TECHNICAL SKILLS

### # PROGRAMMING LANGUAGES

- Java, Scala, Kotlin, Python, Lua, PERL, Bash, Zsh, JavaScript, Typescript, MS-DOS, PowerShell, Unix C/C++

### # DATABASE AND STORAGE

- MySQL/Aurora, Microsoft SQL, Teradata, Elastic Search, DynamoDB/NoSQL, Redis, AWS S3 Storage, PostgreSQL, Oracle, IBM DB2

### # APPLICATION SERVERS

- Apache Tomcat, Jetty, Apache Web Server, IBM WebSphere, JBoss, Orion Server

### # JAVA ENTERPRISE FRAMEWORKS

- Spring Boot, Spring-Framework Core/MVC/ReST/Batch/Data/Security, Spring MVC Test, AssertJ, Scalatest, Apache CXF for SOAP and ReSTful services, Java Persistence API, Hibernate, iBatis/MyBatis, Apache Struts, Jackson JSON

### # VERSION CONTROL SYSTEMS

- Git (Github or Bitbucket), Perforce, Subversion, CVS

### # SOFTWARE DEVELOPMENT TOOLS

- IntelliJ IDEA, Eclipse IDE, Artifactory, Maven, Enterprise Architect, Jenkins, Team City, VMWare Server, Virtual Box, Docker, Docker Compose, Amazon Web Services, Trello, Jira, Confluence

## EXPERIENCE (PAST TEN YEARS)

### # ON SABBATICAL, BLACK DIAMOND, WA – MAY 2021– PRESENT

An extended leave of absence to take care of loved ones during the pandemic.

- authored several java-based technical articles (<https://kapresoft.com>)
- independently developed and authored three World of Warcraft add-ons:
  - ActionBarPlus (<https://www.curseforge.com/wow/addons/actionbarplus>)
  - ActionBarPlus-M6 (<https://www.curseforge.com/wow/addons/actionbarplus-m6>)
  - Saved Dungeons & Raids (<https://www.curseforge.com/wow/addons/saved-dungeons-raids>)

### # SENIOR SOFTWARE DEV ENGINEER, EXPEDIA GROUP; SEATTLE, WA – 2013-2021

#### ## Loyalty Group (EG Loyalty)

As a senior member of the loyalty team, I led a small but mighty pod of up to five talented individuals. We worked together to design and develop exciting loyalty services, going above and beyond to create exceptional experiences for our valued customers.

- led and managed a high-performing team of up to five developers as a proactive and effective pod leader.
- took a senior role as an esteemed member and architect, actively collaborating with loyalty groups and business product owners across the globe to drive innovation and deliver successful projects.
- influenced and guided pod multiple teams in developing the loyalty travel platform.
- mentored peers on the team and help build effective agile, test-driven, and clean-coding practices
- engaged closely with principal engineers to conduct architectural reviews and sign-off
- collaborated with a diverse group of ten developers across various Expedia locations to develop a system for batch processing customer refunds in the form of coupons during the Covid-19 pandemic. Took a leading role in building the foundational project structure using Spring Batch.
- conducted job interviews and screening processes to evaluate and assess potential software engineer and manager candidates.

## ## Private Label Pages (PLP)

As a senior member of the Private Label Pages team, I had the privilege of contributing to the design and development of Expedia's White-label Pages. This involved collaborating with a talented group of colleagues both in UK, Australia, India and Bellevue. Together, we worked diligently to create and enhance the platform, striving to provide top-notch experiences for our users.

- led a small team of four members and a product manager in streamlining the branding of the base Expedia site for Private Label Pages, ensuring consistency and a cohesive experience across different brand pages.
- mentored engineers on the team in building technical solutions that meets business needs
- developed a suite of server-less and UI solutions for managing partners, generating reports and delivery of reports to travel loyalty partners
- influenced clean coding and test-driven technologies

## ## Online Marketing Group (OMG)

A senior member of the Expedia Online Marketing Group responsible for the architecture, design, and development of a complete redesign of the Deep Linking Fundamentals and Marketing Portal project for affiliate partner advertisement pixels.

- designed and implemented a deep-linking framework and integration test framework using Spring MVC Test and AssertJ custom fluent assertions
- worked with cross-marketing-teams (SEM and META) and provided a design for a strategy-based
- took a leadership role in driving the design and architecture of a strategy-based partner Java library, collaborating closely with cross-functional marketing teams (Search Engine Marketing and META). This involved providing valuable insights and actively contributing to the design process to ensure the library's effectiveness and compatibility with partner strategies.
- provided near-real-time and offline solutions for Marketing for the analysis of all marketing tags data across all Expedia Group pages using AWS Elastic Search
- revamped and redesigned the daily hotel static feed process for Expedia business partners, migrating the existing dot Net implementation to Spring Batch.
- developed a chrome extension on my own time for identifying, viewing, and timing marketing affiliate tags within Expedia Group sites
- incremental deployment and monitoring of the new high-traffic deep-links to production
- coached peers and cross-teams in Test Driven Development, Clean Coding, and XP Pair Programming

## ## Travel Agent Affiliate Pages (TAAP)

As a senior member, I held a pivotal role in the architecture, design, and development of the Travel Agent Affiliate Program (TAAP). TAAP is a global program that enables travel agents to leverage the Expedia Platform as a travel agency, accessible at <https://expedia.com/taap>. I played a key part in shaping and implementing the program, ensuring its effectiveness and seamless integration for travel agents worldwide.

- incremental redesign of Expedia Group's Travel Affiliate Program
- coached peers and cross-teams in Test Driven Development, Clean Coding, and XP Pair Programming

## # SENIOR SOFTWARE ENGINEER, PRECOR, INC; WOODINVILLE, WA – 2012–2013

A senior member of the Platform Team of 10 responsible for the architecture, design and development of the Precor Preva REST API, Preva Exerciser Website, Atlas Fitness Equipment REST API, Spring Security OAuth2 Authorization Server.

## # SENIOR SOFTWARE ENGINEER, LOGICALIS, INC; BELLEVUE, WA – 2012-2012

A senior member of a remote agile project team on a Consumer Loyalty Cards Consolidation System and TheGolfWarehouse.com.

## ARTICLES WRITTEN

### # LOMBOK – BUILDERS AND CONSTRUCTORS

- <https://kapresoft.com/java/2021/12/27/lombok-builders-and-copy-constructors.html>

### # SPRING BOOT – SERIALIZE IMMUTABLE OBJECTS

- <https://kapresoft.com/java/2021/11/03/spring-boot-serialize-immutable-objects.html>

### # MANAGING AWS CLOUDFRONT USING SPRING SHELL

- <http://kapresoft.com/java/2023/05/26/spring-shell-aws-cloudfront.html>

### # AND MORE..

- <http://kapresoft.com>

## EXPERIENCE (TEN YEARS AND BEYOND)

# SENIOR SOFTWARE ENGINEER, DISNEY; SEATTLE, WA – 2012–2012

> CONSULTING FOR TEK SYSTEMS

- an influential senior member of the DisneyID Platform Team of 20 responsible for the design and development of Disney's Global DisneyID REST API
- practiced test-driven design and development scrum agile programming practices

# SENIOR SOFTWARE ENGINEER, PRECOR, INC; WOODINVILLE, WA – 2011– 2012

> A PRECOR W2/CONTRACT EMPLOYEE

- a senior member of the Platform Team of 8 responsible for the architecture, design and development of the Precor Preva REST API
- led the implementation of the OAuth 2.0 draft spec using Spring Security OAuth 1.0.M
- performed scrum agile and XP pair programming practices
- practiced test-driven design and development
- developed HTML4/Ajax web pages

# SENIOR JAVA DEVELOPER, LOGICALIS, INC; BELLEVUE, WA – 2011–2011

- a senior java enterprise developer responsible for delivering various software service solutions to clients.
- implemented Inline Checkout By Amazon (CBA) for TheGolfWarehouse.com

# SENIOR JAVA DEVELOPER, IMPREV, INC; BELLEVUE, WA – 2007–2011

- a senior member of a project team of 9 responsible for the software development life cycle of Imprev.net Online Marketing Center and the next generation core web services.
- Test-driven design and scrum agile with XP programming practices

# SENIOR JAVA DEVELOPER, SPEAKEASY; SEATTLE, WA – 2006–2006

> CONSULTING FOR Q ANALYSTS LLC

- a member of a project team of 15 responsible for the architecture, design, and development, testing, and enhancement work for Speakeasy's VoIP Platform Business Management Software
- implemented Hibernate Open Session In Conversation and service layer domain objects caching

# SENIOR JAVA DEVELOPER, VALLENT; BELLEVUE, WA – 2006–2006

> CONSULTING FOR WIMMER SOLUTIONS

- member of a project team of 10 responsible for the development and enhancement work for the PWeb Reporting Project.

# SENIOR JAVA DEVELOPER, CDG (A BOEING CO), BELLEVUE, WA; 2004–2006

## CONSULTING FOR ATEA INFORMATION TECH, INC

- member of a Fleetportal development team of 12 responsible for the redesign of Fleetportal from an EJB-based web application to a high speed web application utilizing Spring Framework, Sitemesh, IBatis, JDK 5, and Apache Tomcat 5.5

# SENIOR JAVA DEVELOPER, PORT OF SEATTLE; SEATTLE, WA – 2003–2004

## Fire Department Hot Works

- responsible for the architecture, design and development of the two-month project Fire Department HotWorks Permit Scheduling and Management System.
- built and deployed highly available enterprise applications to IBM WebSphere v5.0.3
- performed requirement analysis, object-oriented design, coding, unit test, and weekly acceptance testing with the Port of Seattle Fire Department.

## ## Permit Compliance Tracking System

- performed code customization on the Atlassian's JIRA Issue Tracking system
- performed requirement analysis, object-oriented design, coding, unit test, and weekly acceptance testing.
- built and deployed highly available enterprise applications to IBM WebSphere v5.0.3

## # SENIOR JAVA DEVELOPER, DONALDSON CO., INC; EDINA, MN – 2002–2003

### > CONSULTING FOR ADVANCED TECH INTEGRATION, INC

- a lead developer for Donaldson companies parts web portal and java UI application.
- responsible for the architecture, design and development of a filter product management software (Donaldson ToolBox) based on OpenSource software technologies.
- web front-end Donaldson ToolBox application using JSP, Tag libraries and Servlets.
- on-the-fly PDF Reports generation tool using Jakarta Formatting Objects XML/XSLT technology

## # ENTERPRISE JAVA DEVELOPER, 3M CORP; ST PAUL, MN–2000–2003

### > CONSULTING FOR ADVANCED TECH INTEGRATION, INC

## ## EJB Developer, Servlets and JSP Developer, Goods and Services (GSDB) 5.0

### ### DATES – 06/2002 - 03/2003, 04/2001 - 10/2001

- Member of a dev team responsible for the design & development of a web-based thin-client application used for management of 3M's mission-critical Global Goods/Service Database.

## ## Java Developer, Java Swing UI Application, MDUI

### ### DATES – 03/2002-07/2002 AND 12/2000-04/2001

- Member of a dev team responsible for the design & development of a swing-based GUI client/server application and services used for management of 3M's mission-critical Global Goods/Service Database.
- web front-end enterprise application using JSPs, Servlets (Jakarta Struts 1.1), and JUnit
- search pages which generated dynamic search criteria fields
- utilized IBM's WSAD IDE wizards for generating Servlets and EJB's

## # C/C++ DEVELOPER, HEWLETT-PACKARD, EDINA, MN – 10/2001–02/2002

### > CONSULTING FOR ADVANCED TECH INTEGRATION, INC

- software portal of Macromedia Flash 5 written in C/C++ to HP/UX operation system
- developed under eXtreme Programming practices

## # DESIGN ENGINEER II, LSI LOGIC CORP, BLOOMINGTON, MN – 10/1999–10/2000

- Proud member of the Silicon Optimization (SILO) team responsible for the design and development of proprietary silicon optimization software tools used for the physical synthesis and layouts of Application Specific Integrated Circuits (ASIC Chips).
- designed and maintained TCL and python modules interfacing to proprietary C/C++ libraries.
- developed ASIC Physical Design tools in C/C++, Python/Tk, Tcl/Tk, and Java Client/Server messaging.

## # APPLICATION ENGINEER, IBM CORP, ROCHESTER, MN; 06/1997–10/1999

- provided development, education, and technical support for IBM Rochester's IO Processor design teams using IBM's proprietary Application-Specific Integrated Circuit (ASIC) hardware development tools.
- provided direct support to multiple ASIC development projects
- coded and design a runtime wrapper in Perl, Tcl, C/C++, and Java