



**Pavan Kalyan Gummadi**  
**Software Developer at BluJay Solutions pvt.ltd(2017-present)**

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### Career Objective:

To work with a progressive organization that gives me opportunity to utilize my skills and attain maximum personal and professional growth, which in turn helps me to make a useful contribution towards achieving the organizational goals.

### Profile:

- ✓ Having **4** years of experience in software development with emphasis in design and development of Web based applications.
- ✓ Good knowledge on design and development using **JAVA**.
- ✓ Good knowledge on CICD pipeline.
- ✓ Good working knowledge on Application development and maintenance life cycle process.
- ✓ Good written and verbal communication skills, presentation and problem solving skills.

### Skills & Endorsements

- Java
- Spring ,Spring Boot, Spring Security , Micro Services and RESTful services
- Basics of React
- Vaadin
- CICD with Jenkins
- Terraform
- AWS cloud
- Basics of Python
- Groovy pipeline scripting in Jenkins

### Industry Knowledge

- Identity and Access management (IAM) and Supply Chain Management (SCM)
- DevSecOps

### Tools & Technologies

- Hibernate
- Linux
- Jenkins
- MySQL and Oracle
- HTML and CSS
- Elastic Stack (ELK)
- Open Id, OAuth2, JWT, SAML2.0 and SCIM
- Veracode and OWASP standards.
- Maven and Gradle
- JIRA,Github,Bitbucket and Confluence.

### Educational Qualification:

**B.Tech** (Electronics and Communication Engineering) from **RGUKT NUZVID** in 2017 with the percentage of 88.

### Areas of Interest:

AI, Machine Learning, Software Development, Data Science

### Projects Profile:

#### 1.BluPass : Single Sign On solution

Single sign-on (SSO) is a property of access control of multiple, related, but independent software systems. With this property, a user logs in once and gains access to all systems, without being prompted to log in again at each of them. Single sign-off/ Single Logout is the reverse property whereby a single action of signing out terminates access to multiple software systems.

BluPass is BluJay Single Sign-On (SSO) application allows users to sign on once using one set of secure credentials, giving them access to all GTN products.

BluPass uses Security assertion markup language (SAML). SAML is an XML based protocol used for communicating user authentication, entitlements and attribute information. SAML enables web browser single sign-on(SSO) through exchange of an assertion between an identity provider and a service provider.

BluPass integrates with Federated Identity providers like Active Directory Federation Services (ADFS) using SAML. BluPass can integrate with following Identity providers(Okta, Centrify, PingFederate, OneLogin, WSO2, Salesforce, CA SiteMinder , OpenAM etc) using SAML 2.0.

**Tools & Technologies:** Spring Boot ,Spring Security, Spring Data JPA, JWT-RSA , Vaadin, Spring Security SAML,OpenSAML.

**Duration:** 2.5 years

**Roles & Responsibilities:** Developed Below mentioned features

- Manage Tenants and Users
- Product Authorization at tenant/user level.
- Account locking for invalid failed login attempts
- Change Password
- Account recovery with email address
- Bulk User Upload via CSV template
- Inbound SCIM 2.0 User Provisioning
- User Activity Tracking
- Read/Write DB replicas for multi region deployment
- Multi Factor Authentication
- SSO compatibility with Identity Providers like ADFS,Centrify,Okta and PingIdentity

## 2.Blujay Identity Provider

An identity provider (abbreviated IdP or IDP) is a system entity that creates, maintains, and manages identity information for principals while providing authentication services to relying applications within a federation or distributed network. Identity providers offer user authentication as a service.

**Tools & Technologies :** Spring Boot, OpenSAML

**Duration :** 2 months

**Roles & Responsibilities:** Developed the component

## 3.Blujay Service Provider Component

SAML SSO component turns the Java applications into Service Provider(SP) that can be connected to IdP(Identity Provider). It implements the SAML 2.0 Web browser SSO profile.

**Tools & Technologies :** OpenSAML

**Duration :** 2 months

**Roles & Responsibilities:** Developed the component using OpenSAML

**Key Features:**

- SSO and SLO (SP-Initiated and IdP-Initiated).
- Assertion and nameId encryption.
- Assertion signatures.
- Message signatures: AuthNRequest, LogoutRequest, LogoutResponses.
- Enable an Assertion Consumer Service endpoint.
- Enable a Single Logout Service endpoint.
- Publish the SP metadata (which can be signed).
- IdP Metadata and certificate configuration

## 4. Vaadin Theming (UI)

Created UI theme for one of the Blujay product which is built in Vaadin.

**Tools & Technologies :** Vaadin themes

**Duration :** 1 month

**Roles & Responsibilities:** UI Refresh using vaadin themes.

## 5. BluIQ Dashboard (backend)

BluIQ is a multi-product dashboard that provides users with at-a-glance insight into the data that matters to them most. The dashboard uses browser-based widgets to display information from numerous data sources across the Blujay Solutions product suite

**Tools & Technologies :** Spring Boot, Spring Security, HazelCast Cache, Terraform, Chef, Jenkins, Oracle Database

**Duration :** 1 year

**Roles & Responsibilities:**

- BluIQ integration with Blujay solutions products.
- Backend development.
- CICD pipeline with Jenkins
- Web application Security (static and dynamic)
- Whitesource management for library whitelisting

**Personal Details:**

Nationality : Indian  
DOB : 10 June 1996  
Gender : Male  
Languages known : English, Telugu, Hindi.  
Hobbies : Playing Cricket.

(Pavan Kalyan Gummadi)