

# PUJAN SHRESTHA

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## OBJECTIVE

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A dedicated and motivated Computer Science graduate with a strong passion for software development. I possess a robust understanding of back-end development, specifically in Java and Spring Boot. I have hands-on experience in the integration of third-party APIs, the management of databases, and the implementation of security features. My problem solving abilities, combined with a commitment to continuous learning and improvement, drive me to contribute effectively to organizational goals. With a track record of completing various projects, I am eager to leverage my technical skills and collaborative approach in a dynamic development environment.

## EDUCATION

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**BSc(Hons)Computing** , Isliongton College 2016-2019  
**Java Spring-boot and MERN stack, Inventors Academy** 2020

## SKILLS

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<b>Languages and Frameworks</b>	Java, Spring Boot, JavaScript, HTML5, CSS, ReactJS, NodeJS
<b>Databases</b>	PostgreSQL, MongoDB, Redis
<b>Tools</b>	IntelliJ, Postman, Swagger, GitHub, GitLab, Confluence, Jira
<b>Libraries and Technologies</b>	Auth0, JWT, Webhooks (QuickBooks), Material UI
<b>Build Tools</b>	Gradle, Maven

## EXPERIENCE

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**Java Backend Developer** Present  
Everestwalk Groups *Basundhara, Kathmandu*

- **Technologies Used:** Spring Boot REST API PostgreSQL.
- **Team Collaboration:** Atlassian Confluence (documentation), Jira (task management and task tracking), Git/GitLab (version control).
- **API Development:**
  - Managed invoices and financial operations with QuickBooks API.
  - Handled transactions and payment workflows using Authorize.Net API.
  - Implemented a cron job to check the expiration of the net term and send automatic email notifications to customers.
  - Calculated average sales and growth rate for business insight.
  - Implemented push notifications using Firebase Cloud Messaging (FCM).
- **Database Operations:** Wrote raw SQL queries for complex data operations, ensuring high performance and flexibility in database interactions.
- **Development Practices:** Followed a structured approach with Model, DAO, Services, and Controllers. Security: Auth0 was used for authentication and authorization.

**Spring Boot Internship** 2023  
Inventor Academy *New Baneshwor, Kathmandu*

- **Technologies Used:** ReactJS, Spring Boot REST API, PostgreSQL.
- **Team Collaboration:** Trello (task management), Git/GitHub (version control).

- **API Development:**

- Created REST APIs for attachment management (upload, download, and delete images).
- Developed CRUD APIs for product details and categories with pagination and sorting.
- Implemented hypermedia-driven REST web services using Spring HATEOAS.

- **File Handling:** Stored images with hashed names in organized directories. Managed deletion of images and directories.

- **Additional Features:**

- Logger for tracking the application's execution flow, monitor performance, debugging issues, and maintain an audit trail of significant events.
- Exception handling for smooth operation.
- PDF reports by converting HTML to PDF.
- Excel data import/export.
- Email notifications.

- **Security:** Implemented JWT for role-based authentication and authorization.

- **Testing:** Used Mockito framework, JUnit 5 for testing, and postman for API testing.

- **Database Operations:** Executed JPQL and Native Queries, custom API responses, and added data via queries.

- **Development Practices:** Followed organized structure with controllers, entities, DTOs, repositories, and services. Debugged and troubleshooted errors.

## PROJECTS

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### Spring Boot Projects

- [BookHub](#)
- [Sunway Practice](#)
- [Micro Service Practice](#)
- [Student Management System](#)
- [House Rent Management](#)
- [Futsal Booking](#)

### MERN Projects (Achiever Groups, 2021 to 2022)

- **E-commerce Project:** Implemented authentication, item view by category, search, CRUD requests, and cart features using React, MongoDB, Node.js, and PayPal integration.
- **Achiever Groups:** Designed the UI using Material-UI, implemented state management with Redux, and developed the backend with MongoDB, Express, and Node.js
- **Doctalk Doctalk :** Enabled appointment booking, video calls, PDF prescription generation, and email sending. Used Material UI, Redux, MongoDB, Express, and Node.js.