# Dr. Jitesh Pubreja

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## EDUCATION

**Punjabi University**                                                      Patiala, PB, IN
*Ph.D. in Computer Science*                                            Feb 2021 – Aug 2025

**Punjabi University**                                                      Patiala, PB, IN
*Master of Computer Applications*                                     Aug 2014 – May 2017

**Punjab Technical University**                                        Jalandhar, PB, IN
*Bachelor of Computer Applications*                                   Aug 2011 – May 2014

## KEY EXPERTISE

**Solution Architecture**: Providing Robust and Compliant **End to End Solutions**, Software/Hardware Integrations.
**Third Party Integrations**: Expertise in securely integrating **third party services**, **payment gateways** etc.
**Hardware Integrations**: Expertise in securely integrating **Hardware/IOT Devices** as part of the workflows.
**Legacy Code**: Maintaining/Upgrading Documented or Undocumented **Legacy Code**.
**DevOps**: Working with Cloud or Local Services to setup **pipelines** and **automating jobs**.
**Optimizations**: Optimizing a code/query to perform better using low resources.
**Scalability**: Managing large data and real time performance for E-Commerce and other Government Backed Projects.
**Leadership**: Leading various teams in various projects to achieve a common goal efficiently.

## TECHNICAL SKILLS

**Languages**: Python, Typescript, Node.js, C#, .NET, JavaScript, HTML/CSS, XML, SiGML
**Frameworks**: Flask, FastAPI, Django, Express.js, Angular, SQLAlchemy, Bootstrap
**Databases**: SQL (MySQL/Postgres/MSSQL), MongoDB, Apache Solr, DynamoDB
**Queues/Cache**: Redis, Apache Kafka, SQS, RabbitMQ, Celery
**Developer Tools**: Git, Docker, JASigning, Nginx, Apache, Gunicorn, Uvicorn, Linux, VS Code
**Platforms**: Github, Bitbucket, AWS, Azure, GCP, DigitalOcean, Bare Metal
**CI/CD**: Jenkins, AWS CodePipeline, Azure DevOps, Github Actions, Bitbucket Pipelines
**Logging/Monitoring**: Elasticsearch, Logstash, Kibana, Grafana, Prometheus
**Others**: Rest API, GraphQL, JWT, OAuth2, SSO, RBAC, Audit Logs, Jira, TFS, Jest, pytest, Lambdas

## PASSIVE TECHNICAL KNOWLEDGE

**Comfortable with**: C, C++, Java, PHP, WordPress, React, Next.js, Flutter, Apache Cassandra

## EXPERIENCE

**Senior Fullstack Developer / Solutions Architect**                    Nov 2022 – Present
*Blueaves E-Health Pvt. Ltd.*                                                Noida, UP, IN

- Working as a **Senior Fullstack Developer** Responsible for Enhancing and Maintaining Existing Projects for Health Departments of Dubai and Africa.
- Worked as a **Architect/Team Lead** for a **Jobs Portal** (Belgium based Client) with microservices architecture hosted over multiple AWS services and CDNs. Currently having around **1k User Traffic (8-10k API Hits)/hour.**
- Refactoring and upgrading Tech Stack previously based on .NET to current open source technologies.
- Working as **Solutions Architect/Team Lead** for multiple projects based in Belgium, Dubai and India.
- Built and trained a dedicated team for **Node.js (Typescript) and Angular**.
- Revamped the Deployment Process using **CI/CD Pipelines**.

**Backend Developer**                                                      Mar 2022 – Nov 2022

*Dailyobjects*                                                            *Gurugram, HR, IN*

- Worked as a **Backend Developer** Responsible for Enhancing and Maintaining Backend API catering an E-Commerce website, an Android App and an IOS App.
- Introduced new concepts and calculations of offers like **Freebies, Bundles, Membership etc.**
- Refactored and Enhanced Admin Panel Operations written in legacy code.
- Fixed mostly all long running issues with the **CI/CD Pipelines**.
- Revamped Invoicing, found and fixed multiple issues, some of which were in existance since the beginning.
- Increased overall performance of the website, with some of the API Calls/queries taking **600-700%** less time.
- Handled Devops, Introduced/ReIntroduced staging services to be in sync with Production Deployment.

**Computer Programmer (Software Developer)**                               Aug 2021 – Mar 2022

*Punjabi University*                                                      *Patiala, PB, IN*

- Worked as a **Lead Developer** on Public Announcement System at Railway Stations using Indian Sign Language for Hearing Impaired People.
- Quickly learned new skills and applied them to daily tasks, improving efficiency and productivity.

**Senior Software Developer (Full-Stack)**                                 Feb 2020 – Aug 2021

*KnowYourFood*                                                            *Gurugram, HR, IN*

- Developed **CI/CD Pipelines** and Backend APIs.
- Developed various **Data Ingestion Scripts and Tools** for Internal use.
- Lead an **Internal Audit** and **InfoSec** team to track down and patch Vulnerabilities in the code across the multitude of stacks used in the organization.

**Senior Computer Scientist (Software Developer)**                         Mar 2018 – Oct 2019

*Punjabi University*                                                      *Patiala, PB, IN*

- Worked as a **Lead Developer** on Plagiarism Detection Tool for Indian Languages.

## Projects

**Ajman Municipality - Self Monitoring System** | *.NET Core, Apache Kafka, MSSQL, IoT Devices, C++, AWS, Go*
- Developing a realtime IOT based Solution for connecting devices all over the city under a single platform.
- Hardware / Software / Firmware is being developed in-house and integrated cohesively.

**EDPU** ↗ | *.NET MVC, Entity Framework, MSSQL, Hardware Integrations*
- Developed a preventive healthcare platform that monitors patient health, provides analytics for early risk detection, and generates compliance reports.

**Dailyobjects** ↗ | *Node.js, Typescript, MongoDB, ELK, Nginx, Ubuntu, ELB, ASG*
- E-Commerce website for a Lifestyle Brand.

**Indian Railways Announcement System in ISL** ↗ | *Python, Flask, Bootstrap, PostgreSQL, Docker, Apache, Gunicorn*
- Public Announcement System at Railway Stations using Indian Sign Language Synthetic Animations for Differently Abled Hearing Impaired People.
- Funded by Ministry of Social Justice and Empowerment, Government of India.

**Shodhmapak** ↗ | *NLP, PHP, MySQL, Tesseract OCR, Apache Solr, Apache, Ubuntu*
- Plagiarism Detection Tool for Indian Languages.
- Funded by Ministry of Electronics & Information Technology, Government of India.

**SiGML Designer** ↗ | *Python, Flask, Bootstrap, Docker, Apache, Gunicorn, Ubuntu*
- A Tool to design SiGML (Signing Gesture Markup Language) animations to be used with JASigning Player.

**Recruitment Portal for MBSPSU** ↗ | *PHP, MySQL, Apache, Ubuntu*
- Recruitment Portal for The Maharaja Bhupinder Singh Punjab Sports University, Patiala.