

Surender Pratap Singh

Sr. Tech Lead | Ex-HCL | 12+ Years | Expert in Django, NodeJS & Cloud Solutions | Architecting Scalable & High-Performance Applications

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About Me

- 12+ years of experience building and leading engineering teams delivering scalable web applications—Django (Python), Node.js, PHP, React.js, TypeScript, and WordPress.
- Technical leadership across backend, frontend, and QA**—requirement understanding, solution design, effort estimation, sprint planning, and timely delivery.
- Conduct **daily scrums**, track progress via **JIRA**, and run ticket estimation and sprint planning using **Agile methodology**.
- Primary dependency resolver**—coordinate with infra, security, and product teams; unblock teams on access, environments, and technical clarifications.
- Hands-on experience in **performance improvement, infra cost reduction planning, and security issue identification and timely fixes**.
- Strong stakeholder communication—provide technical updates to product owners, align delivery with long-term architecture, and drive cross-team collaboration.
- Proven ability to translate business requirements into scalable technical solutions, validate feasibility, and highlight constraints early.

Technical Skills

Back-end	Django (Python), Node.js, Express.js, Core PHP, CodeIgniter 4, TypeScript, AstroJS
Front-end	React.js, JavaScript, HTML, CSS, jQuery, Bootstrap, PWA, AJAX
Databases	PostgreSQL, MySQL, MSSQL, MongoDB, Redis
Cloud & Infra	AWS EC2, RDS, S3, SQS, Lambda, CloudFront, CloudWatch, Kubernetes, Docker, Linux
Messaging	Kafka, Elasticsearch, Socket.io
Testing	PHPUnit, Jest, Playwright, Codeception
DevOps & Tools	GitHub Actions, Jenkins, Docker CI/CD, GitLab, GIT, SVN, JIRA
Practices	Agile/Scrum, Sprint Planning, TDD, Code Review, RCA, POC-driven Development

Work Experience

Pictor Labs Inc. [Current]

Jun 2025 – Present

Full Stack Developer 3

End-to-end technical ownership on Prism—a medical imaging platform. Single point of contact for architecture, delivery, and infra coordination.

- Solution design & solutioning:** Run POCs to validate approaches; produce design docs and drive full work breakdown before execution.
- Delivery ownership:** Own execution end-to-end—development, testing, coordination, and deployment within committed timelines.
- Performance & reliability:** Identified and resolved performance bottlenecks; actively involved in infra cost reduction planning on AWS EKS.
- Security:** Proactively identified security issues (CSRF, CORS, auth vulnerabilities) and delivered timely fixes aligned with compliance requirements.
- Agile execution:** Ticket estimation, sprint planning, and progress tracking in JIRA; daily syncs with the product owner on scope and priorities.
- Cross-team coordination:** Liaised with infra, DevOps, and QA; resolved technical dependencies and unblocked teams on environments and access.
- Write unit tests, integration tests, and e2e coverage (Playwright) as a standard part of every delivery.

Stack: Django, React, AWS EKS, Kafka, Kubernetes, Playwright, PostgreSQL

Jukin Media (India) / Trusted Media Brands (TMB)

Aug 2021–Jun 2025

Lead Engineer · Sr. Tech Lead

Started as Sr. Tech Lead at [HCL Technologies \(Aug 2021\)](#), working exclusively for Jukin Media; moved directly to Jukin in Jan 2023. Led cross-functional engineering on high-traffic WordPress platforms.

- **Team leadership:** Led 4–5 developers across backend and frontend—estimation, sprint planning, peer code reviews, and mentoring.
- **Technical solution design:** Defined architecture for new features; conducted RCA on production issues and led POCs for new initiatives.
- **Stakeholder coordination:** Provided technical updates to product managers; collaborated with DevOps on CI/CD pipelines and infra planning.
- **Agile & JIRA:** Ran daily standups, backlog grooming, and sprint ceremonies; tracked delivery risks and dependencies proactively.
- **Quality & standards:** Enforced coding standards and security guidelines; drove PHPUnit & Jest test coverage across the team.
- Used GitHub Copilot and AI tooling to accelerate delivery and improve code quality.

Stack: Node.js, WordPress, PHP, PHPUnit, Jest, MySQL, Jenkins, JIRA

Yolo Traveltech Pvt Ltd (YoloBus India)

Mar 2020 – May 2021

Sr. Software Developer

- Designed and built core booking and inventory systems for **YoloBus GDS**—a microservices-based global distribution system.
- Led 2 junior developers; owned architecture decisions, task breakdown, and timely delivery of booking flows.

Stack: Django, Node.js, PostgreSQL, MongoDB, Kafka, Elasticsearch, Redis

SAN Softwares Pvt Ltd

Apr 2016 – Feb 2020

Software Developer

- **SanAst** - real-time Asterisk telephony–CRM middleware using Node.js, Socket.io, and Kafka.
- **SanGST** is an accounting platform to manage inventory, sales, purchases, and leads in a single software. Developed core functionality of this software
- **CDS-ERP**—an enterprise ERP covering inventory, HR, and finance (CodeIgniter/PHP).
- **LifeChart** is a platform connecting users with astrologers/psychologists via call and chat.
- **Vimoo CRM** is a full lead management and invoicing system, built entirely solo.

Stack: Node.js, PHP, MySQL, Socket.io, Redis, Kafka, CodeIgniter

Earlier Roles

AIMS Digital Technovations Pvt Ltd

PHP Web Developer

Jun 2015 – Mar 2016

Sigma SEO Solutions Pvt Ltd

PHP Web Developer

Sep 2013 – May 2015

Education

B.Tech - Computer Science (Dropout)	World College of Technology, MDU Rohtak	2009 – 2013
12th - CBSE	Vivekanand Public School	2008 – 2009
10th - CBSE	Drona Public School	2005 – 2006

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