

Hemantkumar Goswami [SC Cleared]

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Senior Technical Lead with 18+ years of experience in Digital Transformation and Legacy Modernization. Proven track record of delivering high-scale, mission-critical systems for the UK Public Sector. Expert in bridging the gap between complex business requirements and scalable Microservices Architecture.

Core Strengths

- Leadership: Mentoring, Sprint Planning, Stakeholder Management, Technical Roadmap Design.
- Cloud & Infrastructure: AWS (Serverless & Containerized), Terraform (IaC), Kubernetes, Docker.
- Security & Compliance: SC Cleared, OWASP Top 10, Federated Identity (OIDC/SAML), GDS Standards.
- Architecture & Design: Microservices, Event-Driven Architecture (Kafka), SOLID Principles, Design Patterns
- Full-stack development (Python, Node.js, React, Java)

Educational Qualifications

AWS Certified Developer – Associate.	Validation Number: 1d5be589c4b841e198e63a237b5a7f4a
M.Sc. in Enterprise Systems Development	Brunel University (London, U.K.) Mar 2008
B.Sc. in Information Technology	University of Mumbai Oct 2005

Technical Skills

Languages: Python, JavaScript, TypeScript,

Frontend: NodeJS, React, Vue.js, Next.js, Express, Tailwind, Webpack

Backend & DB: Django, Flask, PostgreSQL, MySQL, MongoDB, Redis

DevOps & Cloud: AWS (EC2, Lambda, RDS, S3), Kubernetes, Docker, Terraform, Jenkins, Kafka

Testing: TDD/BDD, PyTest, Selenium, Jasmine, Karma, Mocha, Chai, Zombie.js

Other Expertise: JAVA, PHP, Symfony, Laravel, Spring, PHPUnit

Key Projects

A selection of mission-critical and public-facing projects from my professional portfolio

- Home Office
 -  General Aviation Information Tool – Architected a high-throughput data ingestion engine using Python and AWS Lambda, enabling the real-time processing of 1M+ records per hour and reducing data latency by 40%.
 -  Chemical Reporting System – Worked on application to allow retailers to report suspicious purchases.
 -  Carrier Reporting Tool – Enabled communication with carriers secure and up to 60% faster with automated pipelines.
 -  Business Data Manager – Acts as a single truth for data source for various different types of data and also gives control to manage it.
-  OS Maps - <https://shop.ordnancesurvey.co.uk/custom-made/>
-  Elevate – Sunny - <https://sunny.co.uk/>

Professional Career Details:

UK Home Office – London, UK Nov 2016 – Nov 2025

Lead Developer / Senior Software Engineer

Technologies: AWS, Java, Spring, Python, Node.js, React, PostgreSQL, PHP, Symfony, Drupal, Docker, Kubernetes, CI/CD (Drone, Jenkins), RESTful APIs, Mocha, JIRA, Git, SonarQube, VirtualBox, Sysdig, Kibana, Quay, Artifactory, Selenium, TDD, BDD, GDS Delivery Framework, Keycloak, sEntry, cloudWatch

- **Senior Full-Stack Delivery:** Spearheaded the end-to-end development of mission-critical applications using **Python** and **JavaScript (Node.js/React)**, delivering robust front-to-back-end solutions in alignment with the **GDS Delivery Framework**.
- **Microservices Architecture:** Designed and deployed highly scalable **microservices** to process national flight and crime data, managing multi-million record monthly volumes while ensuring strict adherence to **SOLID principles**.
- **CI/CD & DevOps Excellence:** Engineered and enhanced automated **CI/CD pipelines** (Drone, Jenkins) and **containerization** workflows (Docker, Kubernetes), reducing release cycles from weeks to days and ensuring rapid, reliable delivery.
- **Legacy Modernization & Polyglot Adaptability:** Modernized complex legacy systems, cutting maintenance overhead by 40%; demonstrated a **proactive learning mindset** by successfully pivoting across diverse tech stacks, including a readiness to deliver on **.NET projects** as required.
- **Secure Federated Identity:** Implemented secure data pipelines and RESTful APIs with an emphasis on robust authentication, providing a foundation for **federated identity and SSO** implementations using Keycloak.
- **Technical Leadership:** Directed sprint planning and technical delivery for a cross-functional team of +10 engineers, ensuring high-quality version control and collaboration through **GitHub**.
- **Monitoring:** Using AWS Lambda and Python, leveraging CloudWatch and ELK stack for full-stack observability, reducing incident resolution time by 30%.

Elevate Credit International Ltd – London, UK Mar 2016 – Sep 2016

Senior PHP Developer

Technologies: PHP, Zend Framework 1, Silex 1.2, MySQL, AJAX, Twig, PHP Templates, JavaScript, Sass, Grunt, Node.js, NPM, NVM, TDD, PHPUnit, Target Process, SVN, RESTful APIs, XML, JSON

Key Contributions:

- Developed and maintained backend services using **Zend Framework** and **Silex**, integrating with a responsive front-end built on **Twig**, **JavaScript**, and **Grunt-based** tooling
- Led sprint-focused development to meet agile delivery goals, improving **code quality** through refactoring and automated unit testing (**PHPUnit**)
- Implemented **RESTful web services** and automated **page-specific CSS/JS bundling** using Grunt, enhancing scalability and page load performance
- Contributed to the development of sunny.co.uk, ensuring the platform remained modern, robust, and agile-friendly with a **24-column grid** foundation.

Salmon Ltd – London, UK Nov 2015 – Mar 2016

Senior PHP Developer

Technologies: PHP, Symfony, Drupal, MySQL, MongoDB, AJAX, PHPUnit, Codeception, JIRA, Git, STASH, RESTful APIs, SOAP, XML, JSON, Grunt, Vagrant, Jenkins

Key Contributions:

- Migrated **Travelodge's legacy Drupal system** to a modern, responsive architecture using **Symfony**, with updated front-end tooling and scalable backend services
- Delivered high-quality code enhancements, restructured legacy components, and applied **design patterns** to boost application performance and maintainability
- Wrote robust **unit and functional tests** using **PHPUnit** and **Codeception**, significantly increasing test coverage and reducing post-deployment defects
- Collaborated with cross-functional teams across development, QA, and DevOps to ensure seamless CI/CD integration and smooth production releases

Prior Professional Experience:

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| • <i>Senior Symfony Developer at Encompass Digital Media</i> | <i>- Sep 2015 – Nov 2015.</i> |
| • <i>Senior PHP Developer at Salmon Ltd</i> | <i>- Aug 2015 – Sep 2015.</i> |
| • <i>Lead PHP Developer at Ordnance Survey</i> | <i>- Dec 2014 – Jul 2015.</i> |
| • <i>Lead Symfony Developer at Newspress Ltd</i> | <i>- Mar 2014 – Nov 2014.</i> |
| • <i>Symfony Developer at Sport Lobster Ltd</i> | <i>- Jan 2014 – Mar 2014.</i> |
| • <i>Symphony2 Developer at Holler Digital Ltd</i> | <i>- Nov 2013 – Dec 2013.</i> |
| • <i>Senior PHP Developer at The App Garden Ltd</i> | <i>- Aug 2013 – Nov 2013.</i> |
| • <i>PHP Developer (Symfony) at Arqiva Ltd</i> | <i>- May 2013 – Aug 2013.</i> |
| • <i>Freelancer at Freelancer.com for variety of clients</i> | <i>- Mar 2012 – Apr 2013.</i> |
| • <i>PHP Developer at Hospedia Ltd</i> | <i>- Feb 2009 – May 2013.</i> |
| • <i>PHP Developer at Premier Telesolutions</i> | <i>- Sep 2007 – Jan 2009.</i> |
| • <i>PHP and Flash Content Developer at Brunel University</i> | <i>- Oct 2006 – Mar 2007.</i> |
| • <i>Software Engineer at Vaishnav Developers</i> | <i>- Feb 2006 – Aug 2006.</i> |
| • <i>Software Engineer at Shaadi.com</i> | <i>- Aug 2005 – Feb 2006.</i> |

References: Available on request for applications we are moving forward with

- Hemantkumar Goswami