Hemantkumar Goswami [SC Cleared]

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18+ years delivering secure, cloud-native solutions for government and enterprise. Expert in Python, JavaScript, TypeScript, AWS, and AI engineering. Proven record of modernizing legacy systems, leading high-performing teams, and accelerating delivery pipelines. Trusted contributor to mission-critical platforms at the UK Home Office and Ordnance Survey.

Core Strengths

- Technical leadership in microservices & cloud-native architecture
- Full-stack development (Python, Node.js, React, Java)
- AWS, Kubernetes, Docker, CI/CD automation
- Agile delivery (Scrum, TDD/BDD), legacy system modernization

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, JAVA, PHP	
Frontend: NodeJS, React, Vue.js, Next,js, Express, Tailwind, Webpack	
Backend & DB: Django, Flask, Symfony, Laravel, Spring, PostgreSQL, MYSQL, MongoDB, Redis	
DevOps & Cloud: AWS (EC2, Lambda, RDS, S3), Kubernetes, Docker, Terraform, Jenkins, Kafka	
Testing: TDD/BDD, PyTest, PHPUnit, Selenium, Jasmine, Karma, Mocha, Chai, Zombie.js	

Key Projects

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

- Home Office
  - ✈️ General Aviation Information Tool – enabled secure ingestion of Millions flight records monthly, improved vetting process and compliance reporting.
  - 🧪 Chemical Reporting System – 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, JSON, XML, YAML, Mocha, JIRA, Git, SonarQube, VirtualBox, Sysdig, Kibana, Quay, Artifactory, Selenium, TDD, BDD, GDS Delivery Framework

- **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**.

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

Key Engagements & Contributions:

- **Encompass Digital Media** *(Senior Symfony Developer | Sep 2015 – Nov 2015)* Delivered a full-stack automation solution with a Symfony backend and AngularJS frontend. Developed RESTful APIs consumed by upcoming mobile apps. Led DevOps setup for dev/stage/prod environments using Vagrant and AWS. Integrated PHPUnit, Karma, and Behat for robust testing.
- **Salmon Ltd** *(Senior PHP Developer | Aug 2015 – Sep 2015)* Designed and implemented a cron-based file extraction and transformation CLI tool, handling custom naming conventions and secure data transfers. Enhanced system performance and deployment processes.
- **Ordnance Survey** *(Lead PHP Developer | Dec 2014 – Jul 2015)* Modernized a Silverlight-based mapping system to a responsive Symfony application; led frontend architecture using AngularJS, TypeScript, and JavaScript libraries like Bing Maps, Handlebars, and RequireJS. Migrated codebase from SVN to Git without disrupting CI pipelines via Jenkins and Phing.
- Lead Symfony Developer at **Newspress Ltd** – Mar 2014 – Nov 2014
- Symfony Developer at **Sport Lobster Ltd** from – Jan 2014 – Mar 2014
- Symphony2 Developer at **Holler Digital Ltd** from – Dec 2013
- Senior PHP Developer at **The App Garden Ltd** from – Aug 2013 – Nov 2013
- PHP Developer (Symfony) at **Arqiva Ltd** from – May 2013 – Aug 2013
- Freelancer at **Freelancer.com** for variety of clients from – Mar 2012 – Apr 2013
- PHP Developer at **Hospedia Ltd** from – Feb 2009 – May 2013
- PHP Developer at **Premier Telesolutions** from – Sep 2007 – Jan 2009
- PHP and Flash Content Developer at **Brunel University** from – Oct 2006 – Mar 2007
- Software Engineer at **Vaishnav Developers** from – Feb 2006 – Aug 2006
- Software Engineer at **Shaadi.com** from – Aug 2005 – Feb 2006

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

- Hemantkumar Goswami