



# Shadab Ansari

PRINCIPAL ENGINEER

I'm a Principal Tech Architect for Zycus Infotech. I have 16 years of experience in developing web applications. This includes 4 years of freelancing, and 12 years of enterprise development.

## CONTACT

☎ +91 8369046737

✉ shadab@geekpoint.net

📍 Mumbai / Bangalore

🌐 <https://shadab.dev>

## SKILLS

Proficient in Java, TypeScript, JavaScript, HTML, CSS, Shell; and have a working knowledge of PHP, Python, SQL, PostgreSQL, Redis, and MongoDB.

Developed with Angular, NodeJS, Spring Framework & Spring Boot.

Familiar with administering haproxy, nginx, php-fpm, redis, and nodejs servers on GNU/Linux based systems (CentOS and Ubuntu).

Worked with Jenkins, GoCD, Consul, SonarQube, Docker, Kubernetes (RKE, EKS, and OpenShift), Backstage, AWS CDK, and Terraform for developer operations.

Used Git and SVN for version control. BitBucket and Gitlab for repository management. Nexus and AWS ECR for artifact management. Predominantly used AWS for cloud infrastructure.

## WORK EXPERIENCE

- **Principal Tech Architect** 2024 - PRESENT  
Zycus
- **Principal Product Development Manager** 2023 - 2024  
Zycus
  - Led the POC and rollout of multi-account AWS organization to allow individual teams to innovate without affecting production workloads.
  - Helped implement China CDN (Akamai) for **20+ products**.
  - Implemented Volta for switching Node.js versions on a per-project, per-branch basis for **300+ engineers & 60+ repositories**.
  - Implemented CDK (cloud development kit) as IAC for managing AWS resources in **450+ stacks** across 33 applications.
  - Implemented a bot (Talthybius) for instant notifications in MS Teams for salesforce incidents assigned to on-call engineers.
  - Implemented automated network connectivity checks for AWS-based networks; to verify outbound connectivity to other VPCs, internet destinations, as well as On-prem resources.
  - Handled implementation and rollout of Nexus Pro for npm and maven dependencies.
  - Built custom solution to deliver SNS notifications to Azure Functions.
  - Collaborated with HR to improve resiliency across systems that synchronized attendance for remote working, reducing manual interventions & corrections needed by employees.
  - Automated MBO/KPI creation in Lattice (HR platform) via APIs.
  - Fulfilled **5 RFP** questionnaires for sales & pre-sales teams.
  - Led the implementation of Microsoft Intune Company Portal, as well as Microsoft Store to allow self-serviceable installation of development tools by Engineering teams.
  - Operationalized & deployed a Microsoft Outlook Add-in developed by IT department.
  - Developed self-service uninstallation script for Nodejs in Windows systems, handling multiple versions without administrative privilege. Prevented 300+ IT tickets for manual support.
  - Implemented Jira Product Discovery for product management to ideate and plan high-level roadmaps, without cluttering development backlogs for 3 products.
  - Led a team of **13 engineers** for developing 11 services across 3 products, 1 common component library, along with **6 internal tools** for productivity.

## ACHIEVEMENTS

- Awarded as the **Super Star** (Engineering) – 2019 in Zycus
- **Finalist** in the TechGig CodeGladiators 2016 programming competition
- Awarded as the **Most Promising Performer** (Engineering) – 2014 in Zycus
- **2<sup>nd</sup> position** in CodingFingers 2012 programming competition
- **1<sup>st</sup> position** in CodingFingers 2011 programming competition
- **Finalist** in C Programming competition at Oriental College Techfest 2011

## ADDITIONAL ACHIEVEMENTS

- Team award for **Innovation** for Merlin Agentic Platform – November 2024
- Individual award for **Innovation** for AppXtend Platform – October 2022
- Team award for **Agility & Innovation** for Oracle to Postgres Migration – May 2021
- Individual award for **Collaboration** for eProc – November 2017
- Individual award for **Customer Focus** – December 2015
- Individual award for **Customer Focus** for eProc – July 2015
- Individual award for **Innovation** – November 2014
- Individual award for **Customer Focus** for SIM (Aramco) – January 2014

## WORK EXPERIENCE

### Senior Product Development Manager 2021 – 2023 Zycus

- Led full-stack development of a new platform for creating apps to extend functionalities of our existing product suite.
- Championed technical stack upgrade of all engineering products from Oracle JDK 7 and 8 to **OpenJDK 11** on the backend and Angular 9 to **Angular 11** on frontend.
- Set the benchmarks of code quality, linting, and CI validations for engineering products with incremental improvements in each release via SonarQube quality gates.
- Maintained base Docker images for build servers, and common build scripts for different technical stacks (java, node.js, php).
- Overhauled JIRA projects & workflows for our team to have a unified backlog to streamline requirement prioritization, and bug triaging. Switched the team from sprint-based to a kanban-based approach for increased agility.
- Initiated public support channels in MS Teams for various Product Engineering teams to increase visibility of technical queries, acting as an internal StackOverflow-style Q&A forum. With a weekly engagement of **120+ developers**.
- Responsible for technical onboarding, assessment, and training of freshers in engineering department.
- Implemented Backstage as an Internal Developer Portal (IDP) for maintaining service catalog, service documentation, OpenAPI specs, and self-serviceable repository templates.
- Led a team of **12 developers** for developing **3 products** and 1 common component library.

### Product Development Manager 2019 – 2021 Zycus

- Led strategy and implementation of handling legacy URLs and domains in new product suite's go live.
- Led implementation of integrating new product suite with external SSO systems.
- Improved CI/CD pipelines for product teams to have a single-click flow via Build, Test, Package, and Deploy to QA.
- Conducted multiple workshops for developers to upgrade frontend dependencies, build tools, and infrastructure software.
- Created developer documentation website for improved DX (developer experience) and better visibility into CI for engineering teams.

### Team Lead 2016 – 2019 Zycus

- Led development for a product's front-end, with **7 developers**.
- Improved cross-product API performance for specific business transactions using VisualVM, and AppDynamics.
- Migrated engineering department's source code from SVN to Git; along with putting in place a formal code review process in BitBucket and new Jenkins DSL pipelines for CI.
- Conducted **6 training sessions** for product teams for Git.
- Jointly led another team for developing new design system & publishing common reusable Angular components across the organization.

## EDUCATION

2009 - 2013

RGPV

- Bachelor of Engineering (IT)

## CONTACT

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<https://shadab.dev>

[github.com/shadab16](https://github.com/shadab16)

[linkedin.com/in/shadab16](https://www.linkedin.com/in/shadab16)

## WORK EXPERIENCE

### Associate Technical Lead

2015 - 2016

Zycus

- Improved product performance from an end-user's perspective (for page load and user interactions).
- Upgraded technical stack (nginx and php-fpm) for multiple products.
- Introduced peers to new development tools & best practices for profiling JavaScript & PHP code; including but not limited to Firebug, and XDebug.
- Performed code reviews for peers across HTML, CSS, Javascript, PHP, and Java codebase.

### Software Engineer

2013 - 2015

Zycus

- Created a product from scratch for supplier self-service.
- Created another product for communication between suppliers & buyers. Handled development, deployment, release, and operational technicalities single-handedly for the product.
- Integrated organization-specific SSO with a 3<sup>rd</sup> party Forum software without SAML/OIDC support.
- Switched Apache (HTTPD) MPM from Prefork MPM to Worker MPM in Production by demonstrating 150%+ performance gain under high-traffic scenarios with 1000 concurrency.

### Freelance Web Developer

2007 - 2011

N/A

- Built for the web ranging from HTML/CSS websites and content management systems to custom add-ons for vBulletin and XenForo based forums.
- Used PHP and MySQL for backend.

## PERSONAL PROJECTS

### InstantEval

RUBY ON RAILS

Automated evaluation of programming tasks and assignments. Inspired by CodeChef, SPOJ, and ProjectEuler. For use in educational as well as competitive environments.

### Scrabble-Helper

C++

Find all acceptable words when given a set of letters in the game of Scrabble. References *J. Loughry. Efficiently Enumerating the Subsets of a Set. <http://applied-math.org/subset.pdf>, 2000.*

### XF-Documentation

PHP, HTML, CSS

Developer-oriented documentation for XenForo: a proprietary but visible-source framework and forum software. Now defunct; available in internet archive: [tools.geekpoint.net/xfdoc/](https://tools.geekpoint.net/xfdoc/)

### XF-Redirect

PHP, HTML, CSS

Generate custom Rewrite Rules for the Apache web server to prevent broken links for a vBulletin application. Now defunct; available in internet archive: [tools.geekpoint.net/xfseo/](https://tools.geekpoint.net/xfseo/)