



Puneet Sethi

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Summary

Experienced Principal Full-Stack Engineer | AWS Certified | 14+ Years of Accomplished Career

As a Principal Full-Stack Developer and Tech Lead, I offer a rich tapestry of experience spanning over 14 years. My journey in the tech world has been marked by a dedication to excellence and innovation. Holding the esteemed AWS Certified Developer Associate certification, I've been a driving force behind the success of global applications. My passion for technology, combined with a knack for leadership, has consistently delivered results and fostered an environment of continuous learning and growth..

Licenses & Certifications



AWS Certified Developer – Associate - Amazon Web Services (AWS)

Issued Oct 2023 - Expires Oct 2026

Validation Code - **KDP3HJ5C02F11R5E**



Programming with JavaScript - HackerRank

Validation Code - **46373fdfce96**



AWS Certified Developer – Associate - Amazon Web Services (AWS)

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Career Summary



Principal Full-Stack

Prism Cloud Consulting Inc.

Jan 2023 - Present

As a Principal Full-Stack Engineer, my responsibilities include:

- Determining project requirements and developing work schedules for the team.

- Develop and manage well-functioning databases and applications
- Delegating tasks and achieving daily, weekly, and monthly goals.
- Liaising with team members, management, and clients to ensure projects are completed to standard.
- Identifying risks and forming contingency plans as soon as possible.
- Analyzing existing operations and scheduling training sessions and meetings to discuss improvements.
- Keeping up to date with industry trends and developments.
- Updating work schedules and performing troubleshooting as required.
- Motivating staff and creating a space where they can ask questions and voice their concerns.
- Being transparent with the team about challenges, failures, and successes.
- Writing progress reports and delivering presentations to the relevant stakeholders.



Software Engineer

Kano

May 2022 - Aug 2022 (4 months)

As a Sr. Full-Stack:

- Built new features, fixed bugs, and managed deployments (using GitFlow workflow).
- Worked on Frontend & Backend (PHP/Node.js)
- Managed Cached servers and real-time events - Redis.
- Configured Cron jobs - Queues and RESTful APIs for mobile apps.



Full Stack Engineer

Pro-Unlimited<>WillHire.co 

PS: Willihire was later acquired by Pro-Unlimited. For more details, click [here](#)

Mar 2021 - Apr 2022 (1 year 2 months)

- Developed new features and fixed bugs, following GitFlow workflow for version control.
- Utilized Docker and RabbitMQ for development environment and Yii2 integration.
- Collaborated in brainstorming discussions to address challenges.
- - Integrated and maintained parallel PHP queues for processing background tasks.
- Optimized data import processes, handling 100k-1M records per iteration.
- Configured CI/CD jobs within Jenkins pipelines.
- Created Bash scripts for setting up new EC2 instances for Mautic.
- Integrated CloudWatch with Slack for alerts on reaching maximum CPU thresholds.
- Assisted in horizontally scaling EC2 instance types in response to consistently high CPU usage on connecting boxes.
- Worked with third-party services such as Fieldglass, VNDLY, SendGrid, and Twilio.

Challenges:

Handling Heavy Import queues (approx. 2-10M records) and Background Processes in PHP. The manual foreground process to perform imports was synchronous and highly inefficient.

Task:

Importing and sending emails to all newly imported candidates. Since the import process was time consuming and brought the server down, sending additional emails would only worsen the

situation.

Approach:

Introduced "Queues" in PHP, leveraging Framework libraries and configuring a separate server for managing Queues. This offloaded the main servers from heavy processes, enabling efficient background imports. For emails, I created an API to send bulk emails promptly. It monitored the import status and sent emails to the candidates.

Result:

This implementation allowed the system to process 10M records per import, increasing efficiency by 10x.



Senior Lead Software Engineer

Gleantap

Jul 2020 - Jan 2021 (7 months)

I worked briefly at Gleantap. I worked as Lead-developer on techs - PHP, SQL, Javascript. I worked on various modules served on various responsibilities:

1. Optimized Cron-jobs by using PHPAmp for asynchronous processing.
2. Assisted in configuring Load-Balancer on VPN for EC2 instances.
3. Set up Video conference servers for video calling over XMPP protocols.
4. Configured multiple Jitsi VideoBridge to communicate to a single Jitsi Main Server (JMS). Spinning up an n number of new video bridges as the threshold reaches above 70% for > minutes.



Lead Software Engineer

ABCDevOps

Dec 2017 - Jul 2020 (2 years 8 months)

At ABCDevOps most of my primary responsibilities were:

1. Analyzing & understanding and the requirements given by the user.
2. Assisting team in architect and program software.
3. Programming languages like PHP, Node.js, Ruby, Python, Javascript, and SQL.
4. Testing and debugging the modules to find the errors and make corrections based on the testing results.
5. Introduce enhancements and incorporate new technologies for better results.



Technical Lead

DigiMantra

Aug 2016 - Dec 2017 (1 year 5 months)

At DigiMantra Labs, I served as a Sr. Developer and later as Team Leader. I managed various applications while working on PHP, MySQL as primary tech. Our Team built a Major Fitness Application, settled 3 environments, segregating UI and Backend, and built RESTApis.

1. Configured 3 App servers under AWS EC2 instances - Development, Staging, Production, and built RESTApis in Yii2.
2. Configured multiple Yii2 modules and integrated with various subdomains based on User Roles.

3. Implemented RBAC in Yii2, for 5 Roles.
4. Built a Multi-level Income structure [matrix income plan] using PHP, and Javascript. The income plan used matrix income and implemented a Binary tree search.
5. Frontend built in Angular 2 - for an AI-based application for managing VM clusters.



Senior Software Engineering

iZAP Services Pvt Ltd

Mar 2011 - Aug 2016 (5 years 6 months)

At iZAP, I worked with my mentor Mr. Tarun Jangra, and here was the beginning of my Full-Stack Engineering career.

I started working on several techs - PHP, Node.js, Angular, React, EC2, Lambda, and Socket.io.

1. Primarily worked as a Backend developer and worked on - PHP, Node.js, and socket.io MVC (Yii2).
2. Built RESTapis in Yii2 & Laravel for getting statistical calculations generating balance sheets, and financial data.
3. Configured SMTP server for mailing and integrated SendGrid and mail-chimp.
4. Extensively worked with Git. Understood the Git workflows - Forking Model, Gitflow Workflow, git hooks, Pipelines.



Senior PHP Programmer

VITAE (YourSports.com)

Mar 2013 - Feb 2016 (3 years)

I worked on Project Vitae (Formerly @YourSports) with the Team@iZAP and reported directly to the Engineering Manager Mr. Tarun Jangra, as a Programmer (and iZAP's Employee). Technologies used: PHP 5.x, MySQL, Javascript, Elasticsearch, Redis, React

My responsibilities included :

1. Maintaining clean code, MySQL database management, and Data imports into SQL and Elasticsearch databases.
2. Web development, Managing full social integrations with other platforms such as Facebook and Twitter.
3. Enhanced some of the Social Network application UI introducing React in a few components.
4. Handled and worked on enhancing the data imports module that had approximately 1M average records transactions.



Software Programmer

GInvoicing.com

Mar 2013 - Dec 2015 (2 years 10 months)

I was responsible for developing and maintaining an Invoicing and accounting application for multiple vendors in Ludhiana City:

- The technologies used were PHP 7.2, Javascript, and SQL Server.
- The frontend tech used was Angular 1

Education

 **Punjab Technical University, Jalandhar**

Bachelor's in Computer Applications, Computer Programming, Specific Applications
2007 - 2009

 **Indira Gandhi National Open University**

Master of Computer Applications - MCA, Computer Engineering
2020 - June 2023

 **Panjab
University, Chandigarh**

Bachelor's degree, Education
Mar 2015 - May 2016

Skills

Databases • Team Leadership • Amazon Web Services (AWS) • Full-Stack Development • DevOps •
Node.js • React.js • CI/CD • Git • Agile Methodologies