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| **Adhikar Patil** | Email/Chat on: [adhikar.p.patil@gmail.com](mailto:adhikar.p.patil@gmail.com)  Mobile/SMS: (+91) – 7776832597  [**LeetCode**](https://leetcode.com/adhikar-patil/) | [**Hackerrank**](https://www.hackerrank.com/profile/adhikar_p_patil) | [**Stack Overflow**](https://stackoverflow.com/users/5939048/adhikar-patil) **|** [**LinkedIn**](https://in.linkedin.com/in/adhikar-patil-a8872472)  **Address**: 136, Krishananagar-1, Surat, Gujarat - 394210 |

I am a **Senior Software Engineer** with **8** years and **2** months of experience, specialized in developing software solutions using **Node.js**, **TypeScript**, **.NET**, **.NETCore**, **C#**, **Java**, **ASP.NET MVC**, **WebAPI**, **HTML**, **JavaScript**, **JQuery**, and **CSS**. I have a good understanding of working with various databases such as **MSSQL**, **MySQL**, **Redis**, **ElasticSearch**, **AzureSQL**. I have a vast experience of deploying cloud-based applications using **Azure** and **AWS**, and I am skilled in developing microservice architecture using **docker**, **CI/CD**, and **Kubernetes**. I am well-versed in agile software development methodology and have successfully completed web and mobile responsive projects. I can quickly identify and resolve production issues and am a team player who can collaborate with developers, designers, business analysts, testers, and project managers to deliver projects on time. My focus is on delivering top-quality work and customer satisfaction.

**TECHNICAL SKILLS**

**Functional Skills**: Agile, SDLC, JIRA, VSTS, Security, MVC, Optimization, Scaling, Build, Microservice

**Technical Skills**: Node.js, TypeScript, C#, Java, jQuery, JavaScript, HTML, CSS, Algorithms, Data Structures, Database Design and Management, Debugging and Troubleshooting, Software Architecture/Design, Version Control, CI/CD, WepAPI, Swagger, Terraform, Azure Paas, Azure Iaas, AWS, Scaling, Ioc, Unit Testing, Nunit, Lambda, S3, Azure Storage, LogicApp, SNS, MSSql, MySql, ElasticSearch, Redis, MongoDB, Prometheus, CloudWatch, Application insights, NewRelic, SumoLogic, SonarCloud, Kubernetes, Grafana, Gitlab, axe devtools(web accessibility testing).

**PROFESSIONAL EXPERIENCE**

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| **Avalara Technologies | Pune, Maharashtra** | *November 2021 – Present (2 year and 4 months)* | |
| *Senior Software Engineer – full stack* (**nodejs, typescript, c#, dotnetcore, cicd, aws, terraform, docker, k8s**)   * I completely overhauled and developed the conversion and rating module using cutting-edge technologies like Node.js, TypeScript, Redis, and MySQL, resulting in a remarkable **20%** improvement in performance metrics and an impressive **50%** boost in reporting metrics. * Our revolutionary parallel processing architecture has been a game-changer, reducing the processing time of the usage calculation job from a staggering **8 hours to a mere 20 minutes**, thus setting a new industry standard. * I personally took charge of optimizing database operations and successfully built, optimized, scaled and operated our PaaS infrastructure for the usage calculation process of Avalara products. * I provided excellent support to onboard new products in the usage processing service and established coding guidelines for the team. * My expertise in Jest enabled me to achieve an outstanding **80%+ function test coverage**, which ensured the reliability and robustness of the system. * I also implemented parallel processing to process each customer's billing in parallel, thereby reducing the chances of the entire billing failure cycle. * I identified tight dependencies in the usage processing service and created a design that made **self-product onboarding** possible without disturbing the usage processing service, thus ensuring a seamless experience for our product team. * I suggested the implementation of an auto triaging system but realized that a similar project was already in development. Therefore, I decided to contribute to that project by integrating my design into it. This integration will help in reducing the manual processing time for CSR tickets, consequently, saving up to 80% of the time required to complete CSR tickets. * My contribution to quarterly planning was invaluable, as I defined stories that helped drive the project forward. * Furthermore, I demonstrated my ability to **adapt and learn new technologies quickly** and efficiently by mastering Node.js, TypeScript, AWS, CICD, Kubernetes and Terraform in just one month to make myself productive in this team. * My expertise and passion have been instrumental in achieving phenomenal results and setting new standards in the industry. | | |
| **Harbinger Group | Pune, Maharashtra** | | *January 2016 – October 2021*(5 years and 10 months) |
| *Associate Technical Lead* (**C#, asp.net, redis, elastic, sqlserver, Azure, Html, CSS, React, javascript, jquery)**   * Managed a team of three developers and two quality assurance specialists, responsible for effectively resolving critical customer-facing issues within a few hours. Our team achieved this by making necessary code changes and enhancing features, which significantly improved the performance of the system. * Successfully migrated the entire main system and sub-systems to **Azure Cloud's serverless architecture**. This resulted in a **40% reduction in costs**, as dedicated servers were no longer required for each system. * Conducted **technical sessions** that enabled team members to improve their technical skills. * I have created both a **high-level** and a **low-level** **fraud detection module** to identify any false reference feedback that may be present. * **Introduced centralized Redis cache**, which streamlined configuration updates by keeping them in a single place. Consequently, updating the individual cache of each sub-system of SkillSurvey was no longer necessary whenever there were configuration changes. * Implemented a **boolean search** on the Source Search Page, which was accompanied by an **algorithm** that validated and resolved the **boolean query expression**. * Removed important reports from the **Google search engine**. * Replaced the traditional SQL search with **ElasticSearch** on the sourcing page, resulting in a significant **70% boost to search page performance**. * Introduced a **microservice architecture** that separated the mailing service from the SkillSurvey system to reduce the load on the main application. * Incorporated **SignalR** technology, enabling the addition of **real-time notifications** in the system. * Reduced page loading time by **80%** by performing **bundling and minification** of CSS and JS files on the source opt-in web page. * Addressed **web security issues** by resolving the **top 10 common vulnerabilities** listed in **OWASP**.   **Projects and Teams**:  *Avalara Usage Processing:*   * The usage processing engine collects millions of transaction data from various sources of different products. It then applies rate-plans on the transaction data to generate billing on a daily, monthly, and yearly basis. * The Triage Service provides interfaces and libraries to consumers who need to perform triage.   *SkillSurvey*:   * A cloud-based solution can make the process of collecting feedback easier for companies. It provides them with the necessary tools to identify the underlying reasons for employee turnover and helps to improve retention rates. The solution offers various products that cater to different stages of the hiring process, such as reference checking, post-hire, and sourcing. | | |
| **EDUCATION**   |  |  | | --- | --- | | **Savitribai Phule Pune University| Pune, Maharashtra** | May 2016 | | Master of Computer Application | *Percentage: 78.00%* | | **Veer Narmad South Gujarat University| Surat, Gujrat** | May 2013 | | Bachelor of Computer Application | *Percentage: 74.00%* | | | |
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**HONORS & AWARDS**

* Distinguished Contributor Award - December 2019 - Harbinger Group
* Excellence in Technical Contribution Annual Award - June 2019 - Harbinger Group
* Distinguished Contributor Award - February 2019 - Harbinger Group
* Distinguished Contributor Award - April 2018 - Harbinger Group
* Distinguished Contributor Award - July 2017 - Harbinger Group
* Participate in number of programming events in college and secure first and runner up position.