

Varun Agrawal

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» Languages

Node.js • Java • PHP • React • TypeScript • SQL • NoSQL

» Technologies

DevOps • Linux • AWS • Docker • Git • RegExp • ANTLR • Algorithms

» Work Experience

Independent

Freelance Senior Software Engineer

Remote

Oct 2022 – Current

- Successfully implemented new backend features using NX, Nest.js, Prisma, and TypeScript.
- Created reusable frontend components in React and MUI, boosting development efficiency.

Dot Traffic

Senior Software Engineer

Remote

May 2019 – Sep 2022

- Single-handedly took over an unmaintained project, overseeing both full-stack development and DevOps
- Successfully led a website overhaul over a period of 2 years, driving the transition to a refreshed design.
- Actively participated in recruitment efforts, conducting interviews, and mentoring junior developers.

3T Software Labs

Mid-Level Software Engineer

Berlin, Germany

Oct 2017 – Apr 2019

- Developed code generator to transpile MongoDB queries to PHP, C#, Node.js, Python, and Ruby code.
- Successfully led a project to migrate the entire codebase from MongoDB Java Driver API 2.x to 3.x.
- Implemented ANTLR parser in Java for auto-formatting of SQL and Mongoshell code.
- Provided technical support for enterprise customers.

parcelLab

Software Engineer

Munich, Germany

Oct 2016 – Sep 2017

- Developed a Node.js module leveraging historical data to accurately predict parcel delivery time.
 - Dockerized service workers on AWS, optimizing scalability and reducing operational costs.
 - Transferred high-load worker threads to AWS Lambda scripts for enhanced scalability and efficiency.
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» Achievements

Google Code-In

Oct 2011

- Contributed to various open-source projects by implementing innovative features during High School.

Google Summer of Code Developer

Jun 2014 – Aug 2014

- Independently released SupportFlow, a help-desk ticketing system for the WordPress internal team.

Ethical Hacking

Jun 2020

- Discovered a critical vulnerability that exposed confidential client data within a leading stockbroker.
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» Side Projects

Varal WAMP

- Developed a user-friendly GUI application in Visual Studio, allowing streamlined administration of the WAMP stack.

Cloud Ping Test

- Developed a tool for comparing ping time across multiple cloud providers, resulting in informed business decision-making.
- Successfully attracted over 100K+ unique annual users, demonstrating its usability and popularity.

Mosh 2

- Developed Mosh 2, a wrapper for Mosh (Mobile Shell) in Bash scripting language.
- Implemented a powerful session caching mechanism and SSH Multiplexing for improved performance and efficiency.