

# Varun Agrawal

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## » Work Experience

### Heylog

Freelance Senior Software Engineer

**Remote**

Oct 2022 – Feb 2023

- Implemented new backend features using Node.js, NX, Nest.js, Prisma and TypeScript.
- Developed reusable frontend components in React and MUI.

### Dot Traffic

Senior Software Engineer

**Remote**

May 2019 – Sep 2022

- Joined as a sole developer on a legacy project and managed full-stack and DevOps aspects.
- Led a project for a complete revamp of the website to a new design over a period of 2 years.
- Participated in the hiring process, interviewed, trained, and managed junior developers.

### 3T Software Labs

Software Engineer

**Berlin, Germany**

May 2018 – Apr 2019

- Extended Code Generator to transpile MongoDB queries to PHP, C#, Node, Python, and Ruby code.
- Independently migrated the whole codebase from MongoDB Java Driver API 2.x to 3.x.
- Implemented re-formatting feature for SQL and Mongoshell code using an ANTLR parser.
- Provided technical to enterprise customers.

### SMAL Code

Software Engineer

**Munich, Germany**

Oct 2017 – Apr 2018

- Worked primarily in Laravel/Symfony/CakePHP on MVC projects for clients, including Vodafone.
- Designed SQL schema for medium-sized databases while ensuring optimal performance.

### parcelLab

Software Engineer

**Munich, Germany**

Oct 2016 – Sep 2017

- Created a module in Node.js to predict parcel delivery time based on historical data.
- Dockerized the service workers on AWS to achieve high scalability while reducing costs.

### Google

Google Summer of Code Developer

**Remote – US**

Jun 2014 – Aug 2014

- Independently released SupportFlow, a web-based help desk software for WordPress organization.
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## » Achievements

### Ethical Hacking

Jun 2020

- Found a vulnerability that lets you retrieve private documents of all customers of a large stockbroker.

### Google Code-In

Oct 2011

- Implemented small features in different open-source projects like Sahana during High School.
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## » Side Projects

### Varal WAMP

Apr 2013 – Jun 2013

- It is a GUI application written in Visual Studio for the complete administration of the WAMP stack.

### Cloud Ping Test

- It's an online tool to compare ping time for different regions of various cloud providers like AWS.
- Receiving 6K+ unique visits each month without SEO.

### Mosh 2

- Mosh 2 is a wrapper for Mosh in Bash scripting language with a powerful session caching mechanism.
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## » Languages

Node.js • Java • PHP • React • TypeScript • .NET • Python • Ruby • SQL • NoSQL

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## » Technologies

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