

Varun Agrawal

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» Languages

Node.js • Java • PHP • .NET • Shell script • SQL • NoSQL • JavaScript

» Technologies

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

» Work Experience

Independent

Freelance Software Engineer

Remote – US

May 2019 – Current

- Working across the US time-zones to provide web/desktop app development and DevOps services to small-to-large companies.

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.
- Added auto-formatting support in SQL and Mongoshell Editor using an ANTLR parser.
- Supported colleagues as well as customers with technical issues via internal chat and E-Mails.

SMAL Code

Software Engineer

Munich, Germany

Oct 2017 – Apr 2018

- Worked primarily in Laravel/Symfony/CakePHP on MVC projects for clients, including Vodafone.
- Created products from ideas to production-ready applications in as soon as 1-3 month period.

parcelLab

Software Development Intern | Freelancer

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.

AdPushup

Software Development Intern

New Delhi, India

May 2015 – Jun 2015

- Developed features in Silex based PHP backend as well Introduced end-to-end tests using CasperJS.
- Deployed the CI pipeline on a Jenkins server and integrated it with the GitHub repository.

Google

Google Summer of Code Developer

Remote - US

Jun 2014 – Aug 2014

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

Google Code-In

Oct 2011

- Implemented small features in different open source projects like Sahana during High School.

Ethical Hacking

Jun 2020

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

Varal WAMP

Apr 2013 – Jun 2013

- It is a GUI application written in VB for the complete administration of the WAMP stack.
- Designed a user-friendly interface for one-click switching between different Apache/PHP versions.

Cloud Ping Test

- It's an online tool to compare ping time for different regions of various cloud providers like AWS.
- Receiving 5K+ 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.

SURLS: Simple URL Shortener

- SURLS is a simple URL Shortener written in PHP with support to map lambda functions to aliases.