Deepak Kumar

Boston, Massachusetts, 02215 | +1 (857) 8910357 | kumar.de@northeastern.edu
Linkedin| Website

EDUCATION

Northeastern University, Boston, MA.   Sep 2019 - Dec 2021
Khoury College of Computer Sciences
Candidate for a Master of Science in Computer Science, **GPA 4.0/4.0**
Related courses: Programming Design Paradigm, Database Management Systems, Algorithms, Web Development

Visvesvaraya Technological University, Malnad College of Engineering, Hassan, India   Aug 2012 - Jun 2016
Bachelor of Engineering in Information Science, **GPA: 8.52/10**
Related courses: Object-Oriented Programming, Data Structures, Algorithms, Web Development, User Interface

TECHNICAL KNOWLEDGE

Programming Languages: Java, JavaScript ES6, TypeScript, Python
Framework and Web: Node.js, Spring Boot, React.js, React Native, HTML, CSS
Database: MySQL, NoSQL- DynamoDB, MongoDB
Certification: AWS Certified Developer Associate, AWS Certified Solution Architect Associate, OCI Certified
CICD: Terraform, AWS, Docker, Git, SVN, GitHub actions

WORK EXPERIENCE

Philips, Cambridge, USA   Jan 2021 - Present
Software Engineer Coop | *C#, Git, GitHub actions, Terraform, Shell scripting*
- Contributed to Philips open-source software by developing analyzers to provide developers with real-time feedback.
- Spearheaded the move from manual Nutanix VM creation for self-hosted runners to automation using terraform.
- Developed GitHub actions and GitHub workflows to automate continuous integration and deployments, contributed to the online community.

Slalom Build, Boston, USA   Jun 2020 - Aug 2020
Software Engineer Intern | *React Native, AWS, App Center, Node.js, TypeScript, Bit Bucket, JIRA, Docker*
- Led Cloud, DevOps, and Security effort in the team of 12. Provisioned AWS infrastructure using infrastructure as code, built Bit Bucket pipelines, and integrated front-end with App Center.
- Contributed as a Full Stack developer to develop the Stagen mobile app which will increase the ease of learning and customer involvement. Wrote and reviewed code for React Native, TypeScript, and Node.js.

Brillio, Bangalore, India   Aug 2016 - Aug 2019
Senior Software Engineer | *Node.js, AWS, Python, HTML, JQuery, CSS, SVN, JIRA.*
- Implemented application by migrating Python server-based code to serverless code using Nodejs and AWS, which increased the response time of application by 20%. Used AWS CloudFormation to create and manage AWS resources.
Software Engineer | *Node.js, AWS, Git, JIRA.*
- Built a mechanism to send notifications on change of an attribute of a property listing, which helped stakeholders to make more informed decisions on a property, resulting in a 15% increase in returning customer base.

ACADEMIC AND PERSONAL PROJECTS

Plagiarism Detector (PlageWatch)| *TypeScript, React.js, Node.js, Git, Heroku, Netlify*
- Built a web app to detect plagiarism on JavaScript files. Supports single file and multiple files in zip format.
Image Processing Application | *Java, Git.*
- Created an Image processing application to apply six filters on an image such as greyscale, sepia, mosaic, dithering, blur, and sharpen using MVC architecture and design patterns.
Book e-Commerce Website | *Node.js, MongoDB, Express.js, React.js, Redux, Heroku, Git.*
- Collaborated on building a full-stack web app that manages different user profiles, scopes, and log in. The application provides a platform for buyers and sellers to buy and sell books.
Northeastern University, Boston, USA | **Teaching Assistant, CS 4500 Software Development**
- Held office hours to clear student doubts, promoting code style which survives time and is easy to maintain. Grading assignments of multiple programming languages.