



Pavithra Subramaniyam

Junior Software Developer - Neuro Event Labs Oy

With great motivation, I'm applying for the Software Developer position listed in your organization. I'm from India, did my bachelor's in electrical major. I have worked as a selling partner support in Amazon, India, for about 6 years. I was working with various process improvements, solving unsolvable queries to provide the best customer (vendor) experience. I am trained in various division across the supply chain management support for Europe and North American divisions.

I have completed a Diploma course in Full stack development offered by Tampereen Ammattikorkeakoulu (TAMK) - Front-end, Back-end and Mobile development modules. Strong knowledge of Docker and Kubernetes. Currently learning AWS (Lambda, EC2, S3, Cloud Architecting). To quench my knowledge thirst, I have enrolled Cloud-based software engineering - master's degree in Vaasan Ammattikorkeakoulu now. My course works are in GitHub repositories (link in portfolio/footer).

My projects >

- **Language learning App** with full-stack implementation. Language app has a React front-end, Node JS back-end, deployment to the Render cloud. Application has two different views. One for admin, where teacher/admin can add/update/delete into the API endpoint which updates SQL database. Another view is the user view, in which the user can practice the words and they will get the results.
- **Digit Recognition App** using React JS and Python Flask. App gets the data as an image and predicts the digit from the data-model, Uses Azure cognitive translation and speech services to API endpoint and display and pronounce the identified/translated digit. App comprises microservices architecture, containerized with docker, and deployed using Kubernetes (minikube).
- **Git-user heatmap App** using React JS (*code Interview*). App gets the username as input and shows their activity heatmap, commit counts (on hover) and commit information (on click) from a specific date by accessing public (default) and private (needs authorization) repositories with the help of Git REST API.
- **Battery monitoring App** using the data fetched from remote API (*code Interview*). Implemented multiple filters, sorting, and graphical views for better user experience.
- **To-do application** for React coursework, where users can log their tasks which can be viewed using various filters and different views/styles and deployed in Render cloud.
- React Native and iOS based **Mobile Weather App** as a part of mobile development. User can choose one of these and display either one of the cities weather or the GPS, add cities to the list and remove cities from the list. It accesses the weather data from the remote API of openweathermap.org.
- Developed Python-based **Dice game** development for multiple users and **Student Database** using C++.
- Experienced in data extraction using SQL (Maria-DB) and JUnit testing with Java.

I am currently working as a Junior Software Developer in Neuro Event Labs Oy. My role is handling the tasks related to web application development for video-based seizure detection. I have been working with Angular and Typescript for implementation of front-end and back-end solutions with all the development process being handled in GitLab and PostgreSQL.

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<https://spavythra.github.io/myportfolio/>

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Short summary

- Master's degree student - Cloud-based software engineering student; will seek for a thesis later.
- Only fluent in English, studied Finnish course (till A2)
- Loves Mathematics, Analytics and mentoring the team.
- Multitasking prioritization, Loves process improvement and initiatives.
- Feedback from the employer - 4/5 from yearly performance results
- Self-Evaluation - Above average worker, 4.2/5.0
- C++, Python, Flask, JavaScript, React JS, Node JS, Angular, Typescript, HTML5 & CSS, Java, Swift, SwiftUI, React Native, Heroku cloud, JUnit testing, Express API, Git, Git bash, REST API, MySQL, Bootstrap, Docker, Kubernetes, AWS
- Problem-solving and a constructive can-do attitude
- Self-driven, pro-active approach to continuously learn new things.
- Shared knowledge among team members to advance organizational learning, been a mentor.
- Good documentation skills: can be seen from my portfolio.

My skills which can match a generic job description for open application:

- ✓ Demonstrable experience of work on modern web applications
- ✓ Solid experience and skills in JavaScript (React JS, Node JS)
- ✓ Solid experience with HTML5 and CSS
- ✓ Experience with TypeScript and Angular
- ✓ Experience with responsive user interfaces for a wide range of devices and browsers
- ✓ Experience with Full-stack (React based front-end, Node JS based back-end, Heroku cloud)
- ✓ Familiarity with Git/Gitlab - version control systems, Linux - command lines and operating system
- ✓ Experience with databases - SQL (MariaDB, MySQL, MSSQL) interactions with API endpoint.
- ✓ Experience with Java, JUnit testing, mobile development for android and iOS from my coursework.
- ✓ Experienced with agile ways of working, CI/CD pipeline.
- ✓ Experienced with Docker containerization, Kubernetes deployment, AWS Cloud Architecting
- ✓ Ready to join immediately irrespective of location/ remote.

I tried to deliver whatever I was given in the course or in my job role. But I wanted to have explore more to be a full-stack developer. I am seeking challenging work experience more than a well-paid job where I can mold myself as a better programmer in all aspects. My working experience and ability to handle the pressure will help me to have an accelerated learning phase. Location or pay is secondary if there is sufficient learning. Though I don't have years of work experience in DevOps, I have the strong fundamentals and passion to pursue my career towards DevOps/ Full-stack development enriched with my current work experience and my future master's degree. Kindly check my profile.