

## REFERENCES AND LETTERS

### Associate Software Engineer

**Bosch Global Software Technologies** – Coimbatore, IN.

**Tenure:** June 2016 – Dec 2017

*(Letters attached in this document)*

#### References:

- **Prakash Ariyur Balasubramanian**  
*Position:* Engineering Manager, Brake Systems  
*Email:* Prakash.Balasubramanian@in.bosch.com  
*Phone:* +91 9894473996
- **Sivabalan Sivakannan**  
*Position:* Technical Specialist  
*Email:* Sivabalan.Sivakannan@in.bosch.com  
*Phone:* +91 8608762621

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### Product Specialist / Intermediate Design Release Engineer

**Stellantis (via Kyyba Inc)** – Windsor, Canada

**Tenure:** June 2022 – Feb 2025

*(Letters attached in this document)*

#### References:

- **Albert Ware**  
*Position:* Engineering Manager – ADAS Components North America  
*Email:* albert.ware@stellantis.com  
*Phone:* +1 947-226-0550
- **Prajwal Shetty**  
*Position:* Planning Manager – Jeep  
*Email:* prajwal.shetty@stellantis.com  
*Phone:* +1 586-242-2090

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### Software Developer – Computer Vision

**Advanced Bioimaging Facility** (in partnership with Beam Me Up Labs) – Montreal, Canada

**Tenure:** May 2021 – May 2022

*(Letters attached in this document)*

#### References:

### Beam Me Up Technologies:

- **Marulasidda Swamy**  
*Position:* Senior AI Engineer  
*Email:* swamy@bmu.com, creative.swamy@gmail.com  
*Phone:* +1 438-680-3000

### Advanced Bioimaging Facility:

- **Dr. Claire Brown**  
*Position:* Director, Professor  
*Email:* claire.brown@mcgill.ca  
*Phone:* +1 514-398-4400

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## Additional References

### Research Assistant & Tutor (2019 – 2020)

#### McGill University – Systems and Control Group

- **Anjali Maria**  
*Relation:* Fellow researcher  
*Email:* anjali.dhanpal@mail.mcgill.ca, anjesmaria07@gmail.com  
*Phone:* +1 438-728-0757

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### Student Office Assistant (2019)

#### Environmental Health and Safety, McGill

- **Josee Sansoucy**  
*Position:* Secretary  
*Email:* ehs@mcgill.ca  
*Phone:* +1 514-398-4656

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### Camp Advisor (2018)

#### Club Kodiak – Burks Falls, Canada

- **CJ Smith**  
*Position:* Director  
*Email:* cj@clubkodiak.com  
*Phone:* +1 705-382-6279

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*(Further documentation or references available upon request.)*



**BOSCH**

Bosch Global Software  
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(CIN:  
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www.bosch-

25 November 2022

## TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. SURYA KUMAR DEVARAJAN** was employed with **Bosch Global Software Technologies Private Limited**. Earlier known as **Robert Bosch Engineering and Business Solutions Private Limited** at Coimbatore, India from **16.06.2016 to 08.12.2017** as a **full-time permanent employee**.

Details of his employment are given below:

- Designation : Associate Software Engineer (TEER 1, NOC Code – 21231)
- Employee No : 31625091
- Department : ESN
- Hours of Work/Week : 40 hours
- Annual Salary : Rs 433,325 per year
- Reporting Manager : Prakash Ariyur Balasubramanian

Duties and responsibilities handled by him are as follows:

- Execute software development through Agile project development lifecycle for application software layer.
- Develop Software for Brake modulation systems, configuring & developing ESP SW components for features like ABS, Traction Control and Electronic Stability Control.
- Develop software requirements, software design, system level and software level test cases.
- Support integration of all developed units and components and generate a final software delivery.
- Integration, modification and configuration for ESP system and software for customer programs

Registered Office: Bosch Global Software Technologies Private Limited - (CIN: U72400KA1997PTC023164)

(Formerly known as Robert Bosch Engineering and Business Solutions Pvt. Ltd.)

123, Industrial Layout, Hosur Road, Koramangala, Bengaluru - 560095, India

Managing Director: Mr. Dattatri Salagame

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- Comply & fulfill Bosch software development process and industry development standards (ASPICE, ISO26262).
- Perform system tests to validate software implementation and integration.
- Validate, Test and Troubleshoot software on the bench using HIL setup (Hardware in Loop) and using Matlab simulation .
- Analyze problems reported by the testing department and from the respective customer group to address the needs.

25 November 2022

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Yours sincerely

pki, BOSCH, APAC, P, R,   
Prakash.Balasubramanian  
an

Digitally signed by pki, BOSCH,  
APAC, P, R,  
Prakash.Balasubramanian  
Date: 2022.11.25 19:08:20  
+05'30'

**Prakash Ariyur Balasubramanian**

Brake System Engineering (MS/ESP-SY4-CC MS/ESP-SY42-CC)

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**BOSCH**

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TO WHOMSOEVER IT MAY CONCERN

It is a pleasure to write this letter of recommendation for Surya Kumar Devarajan. As the Engineering Manager of one of the software development groups at Robert Bosch, Coimbatore, India, I had the opportunity to work directly with Surya on a regular basis. He joined Bosch immediately after his graduation from Government College of Technology, Coimbatore. He showed a lot of potential, strong work ethic, and professionalism.

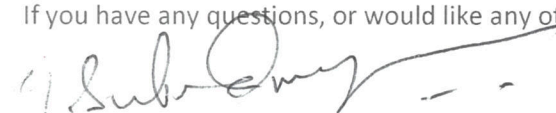
Over the last 18+ months, Surya developed good knowledge in vehicle electronics and ECUs and he was able to adhere quickly to software engineering processes applied for active safety products. He was responsible for the system diagnostic management responding to the reported fault from different software components, storing the diagnostic trouble codes and inhibiting the function to the system safe level which involves AUTOSAR architecture. He also takes care of the Sensor Signal Processing and possesses a wide understanding of processing and monitoring of the sensor signals.

He brings a lot of energy, enthusiasm, and commitment to all his activities. As this is expected in any large organization, Surya fits in well. His role at Bosch requires good communication and personal skills and independent thinking especially when working with diverse groups across the globe. He brings a good spirit in the team and engages in all team building activities.

He is a quick learner and he knows how to solve the different technical problems in his area which highlights his strong analytical and problem solving skills. He is also easy to work with.

I wish him all the success in his future endeavors.

If you have any questions, or would like any other information, please contact me.



Subrahmanyam Gampala  
Robert Bosch Engineering and Business Solutions Private Limited,  
Engineering Manager (RBEI/ESN, RBEI/ESN-AGM),  
Phone: +91 96775 39222  
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Albert Ware  
Engineering Manager – ADAS Components North America  
Stellantis  
Email: albert.ware@stellantis.com  
Cell: 947-226-0550  
4/21/2025

To Whom It May Concern,

I am writing to recommend Mr. Surya Kumar Devarajan, who was a member of my team at Stellantis from June 2022 to February 2025. Surya held the position of Intermediate Design Release Engineer in the ADAS/AD, Far Range Perception & Control US group and was engaged through Kyyba Inc. During this time, he made solid contributions to the product development and release of ADAS systems.

Surya was responsible for the design, development, and release of key ADAS components, including long- and short-range radars, vision-based cameras, and domain controllers for several Stellantis vehicle lines. He played a key role in supplier management, acting as the single point of contact between Stellantis and major Tier 1 suppliers. He effectively managed supplier deliverables, system specification open issues, component development items for part shortage activities, and change management activities to align his suppliers with major program milestones.

Surya consistently demonstrated ownership of his projects, working urgently to resolve major blocking issues throughout the development cycle. As requirements evolved or new challenges arose, he managed them effectively and communicated status updates clearly to management. He collaborated closely with the purchasing team to ensure supplier changes aligned with program objectives, balancing technical requirements, cost considerations, and timeline risks.

Surya contributed across multiple cross-functional teams, including systems engineering, functional integration, validation, diagnostics, networking, packaging, plant manufacturing, and quality. He supported both local and global program needs, helping to translate hardware and software requirements into executable plans. He also contributed to risk identification and mitigation, as well as warranty analysis for existing programs to help drive corrective actions and continuous improvement. His structured coordination helped ensure engineering readiness and supported key program launches.

In short, Surya was a reliable and well-rounded engineer who managed a broad scope of responsibilities across product development, supplier coordination, and project management. He consistently followed through on his commitments, worked well with cross-functional teams, and contributed meaningfully to program progress. I believe he would be a strong addition to any engineering or technical team. Please feel free to contact me if you need any additional information.

Best Regards,

Albert Ware



Engineering Manager – ADAS Components North America  
Email: albert.ware@stellantis.com  
Cell: 947-226-0550



March 20, 2025

TO WHOM IT MAY CONCERN:

**SUB: Surya Kumar Devarajan**

This is to confirm that Mr. Surya Kumar Devarajan was a full-time employee (40 hours per week) of Kyyba Canada Inc, working as a Design Release Engineer - Intermediate, from June 20, 2022 to February 14, 2025. He was assigned to work at our client Stellantis Canada located at 3939 Rhodes Drive, Windsor, ON, N8W 5B5.

Mr. Devarajan was responsible for the Design, development and release of Advanced Driver Assist (ADAS) components - long/short range radar, cameras (human/machine vision), ultrasonic sensors, and associated processing ECUs. Responsibilities included but were not limited to:

- Program & supplier management.
- Open issue tracking with proactive issue resolution.
- Delivery to all vehicle program milestones, and all aspects of cradle to grave release activity (specifications, sourcing documents, engineering change management, requirements clarification and cross-functional team alignment, generate program development timelines, lead component packaging, component/system HW/SW validation plans, develop ECU diagnostics, conduct HW/SW design reviews, author/review/approve FMEAs & DVPRs, PFMEA reviews, process standards, in-plant calibrations, launch support, safe-launch plan development, identify quality improvements, rapid response to warranty, technical cost reductions, etc.).
- Responsible for risk identification and maintaining detailed risk assessment, mitigation, and management plans with frequent updates to senior leadership.
- Worked closely with ADAS Functional Integration engineers and cross-functional teams to execute and validate complex ADAS systems.

Should there be any questions, please do not hesitate to contact us at (248) 813-9665.

Very Truly Yours,  
KYYBA Canada, INC.

A handwritten signature in blue ink, appearing to read "Raisa Milman".

Raisa Milman  
HR Manager

2 County Court Blvd., Suite 400, Brampton, Ontario L6W 3W8 Canada

Tel: (248) 813-9665

Email: [info@kyyba.com](mailto:info@kyyba.com)

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6 June 2021



Laboratoires Beam Me Up Inc  
5925 Monkland Avenue  
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TO WHOMSOEVER MAY CONCERN

I am writing to confirm that I worked with Surya Kumar Devarajan on a collaborative project between Beam Me Up Technologies and the Advanced Bioimaging Facility (ABIF), McGill University. During this time, Surya held the position of Computer Vision Developer at McGill University (May 2021 – May 2022). The project focused on the development of computer vision solutions as part of a broader initiative to improve remote training and support for advanced microscopy platforms during the COVID-19 pandemic. Surya played an essential role in both the technical and organizational aspects of the initiative.

Our daily activities involved the following responsibilities:

1. Extracting camera parameters and implementing software for mapping images from 2D to 3D and vice versa.
2. Documenting all research findings and sharing them with stakeholders.
3. Reviewing academic research, implementing relevant ideas, and testing and deploying computer vision models.
4. Preparing datasets for machine learning and deep learning models — including image capture, preprocessing, and training.
5. Planning deliverable dates and aligning development strategies to meet deadline requirements.
6. Improving deployed machine learning models and resolving newly reported defects.
7. Engaging in regular brainstorming sessions to enhance software quality and guide research conclusions.

In addition to his technical work, Surya prepared clear documentation and maintained well-organized code, enabling others to easily understand and build upon his contributions. This facilitated smooth integration with other components of the project.

Surya also supported grant-related initiatives and funding efforts that contributed to the progression of the project within a start-up environment. He served as a point of contact between BMU and the internal McGill team, contributing to timely and effective communication across collaborators. He regularly participated in meetings with McGill and BMU researchers and AI specialists, where he presented progress updates and offered input to guide development. He was also involved in structuring project plans using tools such as Gantt charts and timelines to track deliverables and milestones.

Surya was a reliable and thoughtful contributor throughout our collaboration. His work added real value to the project, and I am confident he will bring the same diligence and professionalism to future roles.

Please feel free to contact me if any further information is needed.

Sincerely,

Marulasidda Swamy

Senior AI Engineer – Specializing in Computer Vision

Beam Me Up Technologies ([Link](#))

swamy@bmu.com, creative.swamy@gmail.com

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