

!!! info inline end ""

```
<figure markdown="span">
  ![Image](assets/credits.png)
  <figcaption>Active Maintainers/Creators</figcaption>
</figure>
The project is maintained by two core developers who each own a unique
layer of the system.
```

Virtual Machine **VIREX** Assembly Language **SASM** Compiler **ORIN** Editor Support **VS Code** License **GPL3**

=== "Soham Metha"



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style="border-radius: 50%;"} }

!!! info ""

```
> **Role**: Lead Developer <br>
> **Modules Owned**: VIREX VM, SASM Assembler, VS Code Extension,
Docs
```

- Designed the **\*\*VIREX\*\*** Virtual Machine architecture.
- Developed the **\*\*SASM Assembler\*\*** and complete instruction set.
- Built tooling: AST visualizer, debug tools, and VS Code syntax extension.

```
- Authored all core documentation.  
- Maintains the monorepo, versioning, and long-term roadmap.  
  
> "VIREX is a hands-on way to explore systems programming, not just  
study it." <br>  
  
[]  
(https://en.wikipedia.org/wiki/C_(programming_language)) [![]  
(https://img.shields.io/badge/Project-VIREX-success)]() [![]  
(https://img.shields.io/badge/Project-SASM-success)]()
```

=== "Omkar Jagtap"



{width="120px" style="border-radius: 50%;"}</p></div>
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<pre>[]
(https://en.wikipedia.org/wiki/C\_(programming\_language)) [![]
(https://img.shields.io/badge/Project-ORIN-orange)]() [![]
(https://img.shields.io/badge/Target-SASM-lightgrey)]()

> **Role**: Compiler Engineer – ORIN <br>
> **Modules Owned**: ORIN Compiler (WIP), Custom Hashtable
Implementation

- Designing and implementing **ORIN**, the high-level language compiler
targeting SASM
- Handles the full compilation pipeline: parsing, IR generation, and
SASM output
- Exploring advanced features like expression optimization and static
analysis

> **"ORIN aims to make high-level programming compatible with low-level
control."**</pre>
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<div data-bbox="84 719 348 743" data-label="Section-Header">
<h2>🙏 Acknowledgments</h2>
</div>
<div data-bbox="81 759 234 774" data-label="Text">
<p>We'd like to thank:</p>
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<div data-bbox="111 791 789 846" data-label="List-Group">
<ul>
<li>• [Tsoding](#), [Dr Birch](#), [Low Byte Productions](#), [Cobb Coding](#) for foundational resources.</li>
<li>• The open-source ecosystems around JVM, and language tooling.</li>
<li>• Friends and testers who offered feedback during early development stages.</li>
</ul>
</div>
<div data-bbox="84 863 388 884" data-label="Section-Header">
<h2>🤝 Contact & Community</h2>
</div>
<div data-bbox="111 899 450 917" data-label="List-Group">
<ul>
<li>• GitHub: [github.com/sohammetha/virex](https://github.com/sohammetha/virex)</li>
</ul>
</div>

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## 🤝 Contact & Community

- GitHub: [github.com/sohammetha/virex](https://github.com/sohammetha/virex)

- Interested in contributing? Check out [CONTRIBUTING.md](#)

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*VIREX is open. Hackable. Minimal. Built for builders.*

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