Jakob von Essen   +46 709461805
Gothenburg, Sweden   jakob@jakobve.com

Work Experience

- **Jakob von Essen AB**   Gothenburg, Sweden
  Software Developer Consultant at Boeing   2023–
  - Integrated Boeing's operations control and crew tracking products for major airlines as part of different scrum teams.
  - Designed and implemented rules, interfaces and internal development tools.
  - Made a linter for Gherkin test guidelines, minimizing review time with instant detection of compliance issues.
  - Implemented a changed-files-based test job in the GitLab pipeline, reducing unnecessary test runs and speeding up failure notifications, reducing time before the developer is notified from 28 to 5 minutes for frequently occurring issues.
    Languages: Python, Rave (Boeing-internal language similar to Haskell), Behave (Gherkin), Bash, RegEx
    Tools: GitLab, ActiveMQ, Linux (RHEL)

- **Agreat**   Gothenburg, Sweden
  Software Developer Consultant at Boeing (see above)   2021–2023

- **Semcon**   Gothenburg, Sweden
  Software Developer Consultant   2021–2021
  - Analyzed and implemented requirements for self-driving car component per ISO 26262 automotive safety standard.
    Languages: C, Python, RegEx
    Tools: VectorCAST, Lauterbach TRACE32, LDRA, Robot Framework

- **Combitech**   Gothenburg, Sweden
  System Software Engineer Consultant for Telecom Client   2019–2021
  - Part of a scrum team implementing a major telecom carrier's requirements for high-band 5G network.
  - Developed, tested and integrated new features for customer.
    Languages: C, Java, Python, RegEx, Bash
    Tools: Linux (MATE)

- **Resynergi**   Rohnert Park, CA, USA
  Software Engineer Intern   2018–2019
  - Wrote CAD script to produce minute-long 3D animation showing company's plastics-to-oil machine in operation at customer site.
  - Created inventory management software, machine run visualization software and animation-producing toolchain.
  - Created Google Apps Script for automatically notifying people of their actions based on meeting notes.
    Languages: C#, Google Apps Script, Python, VBA
    Tools: Blender, Siemens NX, Unity 3D

- **Bay Area Green Tours**   Berkeley, CA, USA
  IT Strategist Intern   2013
  - Supported a non-profit with their day to day computer operations.

Education

Luleå University of Technology   Luleå, Sweden
Master of Science in Sustainable Energy Systems Engineering   2013–2019

Skills

Languages: Python, Java, C, HTML, JavaScript, RegEx, Bash
Tools: ChatGPT, Siemens NX, Unity 3D