

# Hendrik Nigul

Date of birth: December 21 1983

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## Software developer career

2025 Oct - 2026 Jan	Starship Technologies: Robot software developer (C++, ROS, Python, Databricks, Ubuntu): improved robot behaviour, code quality, unit-testing with gtest (C++, ROS): Created simple framework for reducing asynchronous code structure complexity. Eg: the number of if-statements dropped from 50 to 8
2023 Aug - 2025 Sept	Innovaatik: Dentist software developer (Php, C++ Qt framework, MySQL, Docker, Jenkins, JetBrains): bugfixes, optimizations, version updates, new features, deployment, monitoring (Docker, Php): Introduced Docker containers, Php unit/integration tests (Php, MySQL): Admin tools to gather data across sources (MySQL, Flyway): Deploy process and database migrations (Git): Migrate from svn to git (C++ Qt): Untangle Framework dependencies to simplify development
2021 May - 2023 Aug	Codelive: Finance platform (C#): integrated existing microservices to 3rd party scoring system Pallet packing (Php, Python): optimized cargo loading meters by 15% compared to human planning Web application for job offers (Php): worked with Laravel, Vue.js, Websockets Loan management system (Php): Improved extendability of home-made event sourcing system (refactored static conf to dynamic with dependency injection). Introduced single-configuration fields for internal events, swagger api, ui forms, message templates. Reduced code duplication of unit-testing event-based system. Added integration tests for core workflow. Some more backend projects
2019 Aug - 2020 Sept	Nanomiljard, Hyperintelligent Aliens (C#): developing document management system, SharePoint UI
2017 Sept - 2019 Aug	Aasa (Php): backend developer of loans management system
2011 Nov - 2014 May	Nortal (C#): document management system developer based on SharePoint 2010
2011 Jan - Oct	Playtech Estonia (Java): mobile client developer using Google Web Toolkit
2009 May - 2010 Dec	Playtech Estonia (Php): UI and payment methods developer
2008 Oct - Nov	Titanium systems (Php)
2004 - 2007	University of Tartu, (C++): pattern matching algorithms

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## Skills

- Programming languages
  - Fluent: MacOS, PHP, C#, Javascript, Html, CSS
  - Comfortable: Vue, Laravel, SQL, MongoDB, C++, Unix, Bash
  - Improvable: Jenkins, Typescript, Python, DynamoDB, Java, Haskell
- Git, Atlassian products (Jira), JetBrains developer tools (CLion, PhpStorm), Docker
- Uncle Bob SOLID principles and Test-driven-development
- Languages
  - Estonian (native)
  - English (advanced)
  - Russian, German (beginner)

## Education

2003 - 2006 University of Tartu, mathematics major

2002 - 2003 Estonian Defence Forces

1991 - 2002 Tallinn English College

## Hobbies

- Math, informatics, physics olympiads
  - 2004 ACM-ICPC World Finals: team member of the University of Tartu, 27th place
  - IMC'05: International Mathematics Competition, 31st place, First Prize
  - Multiple participations in Estonian olympiads
  - Member of Estonian Math Olympiad jury 2004 - 2011
  - Special interests: algorithms, combinatorics, discrete mathematics, geometry
- Tournament bridge: participant in European championships as member of Estonian Team in 2022 and 2024
- Sports, running, cycling, skiing, swimming: 10+ finishes in Tartu Jooksumaraton, Tartu Rattaralli, Tartu Rattamaraton, Tartu Maraton

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