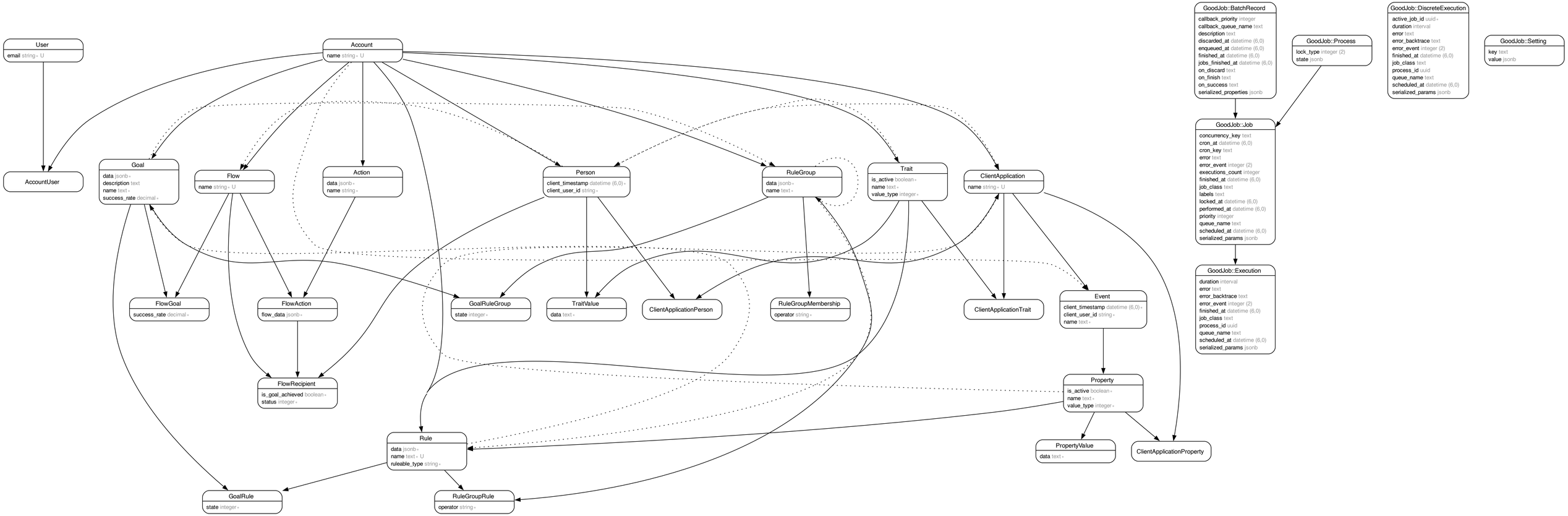AstraApp domain model